

Testing Report

Subject: "Membrane" Dynamic Headspace Analysis

Customer: Gel-Pak

Address: 3-1398 Huntwood Ave., Hayward, CA 94544

Date of Receipt: March 18, 2013

Date of Test: March 18, 2013

Sample Information

The following sample was submitted and identified on behalf of the client as:
Membrane; 2pcs.

Testing Method

IDEMA M11-99, General Outgas Test Procedure by Dynamic Headspace Analysis.

Brief test procedure as follows:

- 1> Sample preparation: Put the sample into chamber and baked at 85°C for 3hrs, N₂ purge flow rate: 50ml/min.
- 2> GC & analysis condition:
Hold the oven at 40°C for 2mins then ramp to 280°C at a rate of 10°C/min, split ratio 5:1, database is W8N05ST.L, initial threshold is 16.
- 3> Use 5ul 200ppm hexadecane in hexane as external standard for calculation.

Experimental Equipment

1. HP6890 GC/5973 MSD; ATD-50 PE Automated Thermal Desorber (ID: 02-0114-00003).
2. JAI Outgas Collector (Model HM-24-80).
3. SARTORIUS SC-2 Microbalance with the readability of 0.1ug (ID: 61-0012-00004).

Result

Unit: µg/g

Item	Total outgassing
Membrane 1#(0.2109g)	97.2
Membrane 2#(0.2137g)	96.3

Reported by: Hongli Wang

Date: Mar. 25, 2013

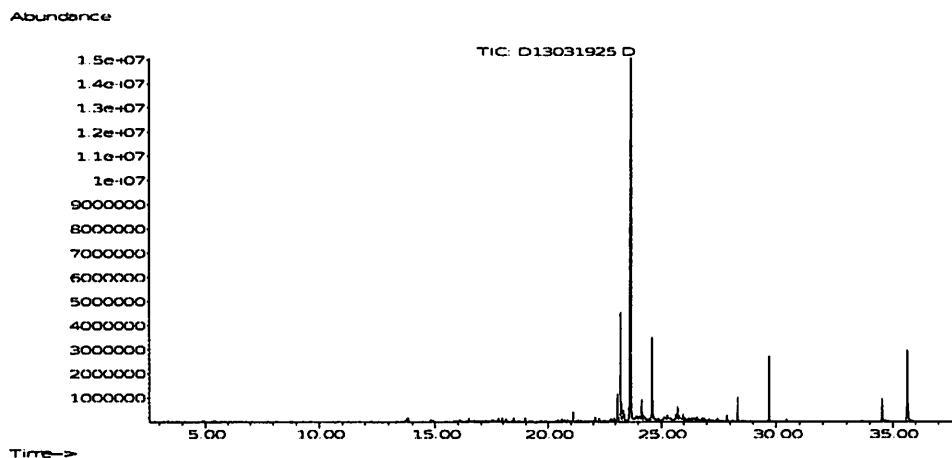
Checked by: Zhaohui Luo

Date: Mar. 25, 2013

Approved by: Chengyuan Luo

Date: Mar. 25, 2013

TIC graph: Membrane 1#



Search report: Membrane 1#

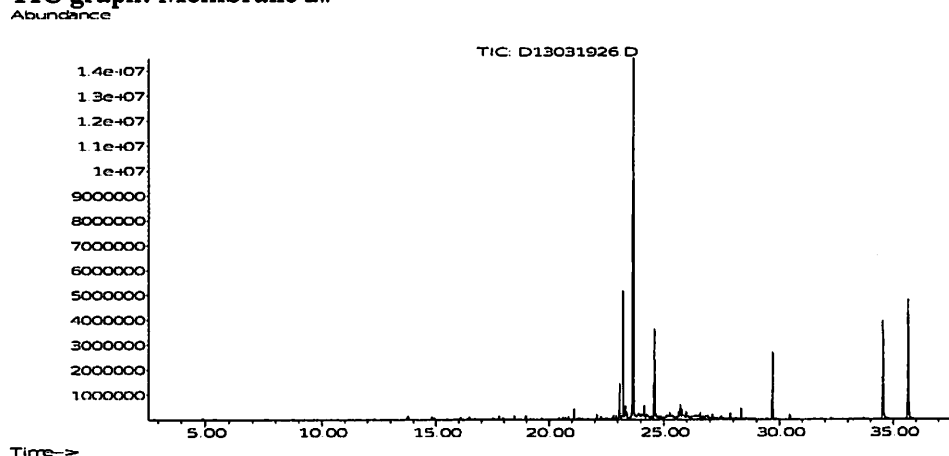
PK	RT(min)	Area (%)	Possible Compound	CAS No.	Match
1	3.38	0.09	2-Butanone, 1-chloro-3,3-dimethyl-	013547-70-1	72
2	4.91	0.15	BENZENE, METHYL-	000108-88-3	94
3	5.39	0.15	3-BUTEN-1-OL	999015-04-9	38
4	13.82	0.81	1,4-BUTANEDIOL	000110-63-4	86
5	14.83	0.20	Phenol	000108-95-2	95
6	14.92	0.11	Heptane, 2,2,4,6,6-pentamethyl-	013475-82-6	72
7	15.48	0.06	Dodecane, 2,2,11,11-tetramethyl-	127204-12-0	78
8	15.83	0.08	Decane, 2,2,8-trimethyl-	062238-01-1	72
9	15.90	0.09	CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-	000138-86-3	96
10	15.96	0.14	1-HEXENE, 5,5-DIMETHYL-	007116-86-1	64
11	16.08	0.34	2-PYRROLIDINONE, 1-METHYL-	000872-50-4	52
12	16.16	0.08	UNDECANE, 3,6-DIMETHYL-	017301-28-9	53
13	16.39	0.13	DECANE, 2,6,8-TRIMETHYL-	062108-26-3	64
14	16.48	0.27	Octane, 2,6-dimethyl-	002051-30-1	64
15	16.60	0.10	Sulfurous acid, 2-ethylhexyl hexyl ester	999074-00-8	64
16	16.71	0.17	Dodecane, 3-methyl-	017312-57-1	72
17	16.83	0.08	Undecane, 2,7-dimethyl-	017301-24-5	72
18	16.95	0.11	DECANE, 2,3,8-TRIMETHYL-	062238-14-6	86
19	17.03	0.14	DECANE, 3,8-DIMETHYL-	017312-55-9	72
20	17.10	0.10	Hexane, 3,3-dimethyl-	000563-16-6	72
21	17.21	0.30	Nonadecane	000629-92-5	52
22	17.35	0.14	HEXANE, 3,3-DIMETHYL-	000563-16-6	53
23	17.43	0.14	Undecane	001120-21-4	87
24	17.49	0.13	Dodecane, 2,6,10-trimethyl-	003891-98-3	86
25	17.52	0.15	NONANAL	000124-19-6	80
26	17.60	0.11	UNDECANE, 5-METHYL-	001632-70-8	64
27	17.68	0.12	UNDECANE, 2,7-DIMETHYL-	017301-24-5	72
28	17.79	0.39	4-[(E)-2-(4-NITROPHENYL)ETHENYL]-1,3-DIHYDRO-2H-1,5-BENZODIAZEPIN-2-ONE #	115847-04-6	38
29	17.96	0.34	TOLUENE, 2,3-DIMETHOXY-	004463-33-6	55
30	18.13	0.28	PENTANEDIOIC ACID, DIMETHYL ESTER	001119-40-0	83
31	18.47	0.39	Cyclopentasiloxane, decamethyl-	000541-02-6	95
32	18.71	0.07	UNDECANE, 2,3-DIMETHYL-	017312-77-5	72
33	18.97	0.22	NAPHTHALENE	000091-20-3	90
34	18.99	0.19	Pentasiloxane, dodecamethyl-	000141-63-9	87
35	19.19	0.08	Dodecane	000112-40-3	95

36	19.29	0.07	DECANAL	000112-31-2	91
37	19.67	0.14	2(SH)-FURANONE, 3,4-DIETHYL-	054823-84-6	72
38	19.89	0.12	Hexanedioic acid, dimethyl ester	000627-93-0	60
39	20.36	0.06	Propanoic acid, 2-methyl-, 2-ethyl-3-hydroxyhexyl ester	074367-31-0	59
40	20.44	0.14	Decane, 2,3,6-trimethyl-	062238-12-4	80
41	20.61	0.28	Phenyl-1-myrtene, phenylethylimine	163191-64-8	14
42	20.72	0.22	Naphthalene, 1-methyl-	000090-12-0	95
43	20.82	0.05	DECANEDIOIC ACID, DIDECYL ESTER	002432-89-5	52
44	20.86	0.14	.alpha. Isomethyl ionone	000127-51-5	50
45	20.98	0.07	NAPHTHALENE, 2-METHYL-	000091-57-6	90
46	21.01	0.05	DODECANE	000112-40-3	76
47	21.09	0.58	CYCLOHEXASILOXANE, DODECAMETHYL-	000540-97-6	90
48	21.23	0.08	HEXATRIACONTANE	000630-06-8	80
49	21.26	0.11	2-Bromo dodecane	013187-99-0	46
50	21.33	0.10	Heptadecane, 2,6,10,15-tetramethyl-	054833-48-6	64
51	21.36	0.12	HEXADECANE, 2,6,10,14-TETRAMETHYL-	000638-36-8	72
52	21.47	0.10	2-TERT-BUTYL-4-METHYLPHENOL	999310-14-7	89
53	21.71	0.09	Nonadecane, 9-methyl-	013287-24-6	72
54	22.01	0.17	CYCLOHEXANECARBOXYLIC ACID, ETHENYL ESTER	004840-76-0	53
55	22.10	0.30	TETRADECANE	000629-59-4	98
56	22.26	0.30	Hexasiloxane, tetradecamethyl-	000107-52-8	90
57	22.37	0.07	1-OCTANOL, 2-BUTYL-	003913-02-8	20
58	22.45	0.06	1H-3a,7-Methanoazulene, 2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-, [3R-(3.alpha.,3a.beta.,7.beta.,8a.alpha.)]-	000469-61-4	92
59	22.72	0.07	PHENOL, 2,6-BIS(1,1-DIMETHYLETHYL)-	000128-39-2	86
60	22.76	0.20	5-Tetradecene, (E)-	041446-66-6	64
61	22.83	0.26	Propane, 1-isothiocyanato-	000628-30-8	38
62	22.93	0.31	4-(Diethylaminomethyl)-2,5-dimethylphenol	069286-57-3	49
63	23.10	2.43	2,6-DI(T-BUTYL)-4-HYDROXY-4-METHYL-2,5-CYCLOHEXADIEN-1-ONE	000000-00-0	91
64	23.23	6.28	2,5-CYCLOHEXADIEN-1-ONE, 2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYLENE-	002607-52-5	94
65	23.30	0.14	Sulfurous acid, pentadecyl 2-propyl ester	999039-32-7	45
66	23.34	0.75	Benzenepropanoic acid, .alpha.,4-bis[(tert-butyl)dimethylsilyloxy]-, tert-butyl)dimethylsilyl ester	999116-24-8	10
67	23.38	0.58	CYCLOHEPTASILOXANE, TETRADECAMETHYL-	000107-50-6	91
68	23.52	0.30	Ditetradecyl ether	005412-98-6	64
69	23.68	40.69	PHENOL, 2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL-	000128-37-0	97
70	23.77	0.36	BUTYLATED HYDROXY TOLUENE	000000-00-0	90
71	23.83	0.21	PHENOL, 2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL-	000128-37-0	92
72	23.90	0.63	DECANE, 3,8-DIMETHYL-	017312-55-9	58
73	23.95	0.62	PENTACOSANE	000629-99-2	60
74	24.02	0.44	DOCOSANE	000629-97-0	58
75	24.08	0.57	UNDECANE, 4-METHYL-	002980-69-0	46
76	24.15	1.58	Thiophene, 2,5-dibutyl-	006911-45-1	72
77	24.25	0.50	PENTADECANE, 3-METHYL-	002882-96-4	94
78	24.30	0.50	1,2,4-TRIAZINE-3,5(2H,4H)-DITHIONE, 6-PHENYL-	038119-57-2	68
79	24.41	0.34	1-Decanol, 2-hexyl-	002425-77-6	58
80	24.50	0.37	7-HEXADECENE, (Z)-	035507-09-6	97
81	24.60	6.21	1-Penten-3-ol, 2-methyl-	002088-07-5	59
82	24.66	0.62	BENZENE, 1,1'-METHYLENEBIS[4-METHYL-	004957-14-6	84
83	24.85	0.29	1H-3A,7-METHANOAZULEN-6-OL, OCTAHYDRO-3,6,8,8-TETRAMETHYL-, [3R-(3.ALPHA.,3A.BETA.,6.ALPHA.,7.BETA.,8A.ALPHA.)]-	000077-53-2	96
84	25.00	0.21	NONAHEXACONTANOIC ACID	040710-32-5	60
85	25.10	0.50	Tridecane	000629-50-5	76
86	25.14	0.55	TRITETRACONTANE	007098-21-7	74
87	25.26	0.62	Cyclopentane, undecyl-	006785-23-5	97
88	25.31	0.38	Hexadecane, 2-methyl-	001560-92-5	93



89	25.40	0.63	Pentadecane	000629-62-9	91
90	25.58	0.28	1-HEPTADECENE	006765-39-5	74
91	25.64	0.60	1,1'-Biphenyl, 2,2',5,5'-tetramethyl-	003075-84-1	92
92	25.72	1.12	Heptadecane	000629-78-7	95
93	25.79	0.63	TETRACOSANE, 2,6,10,15,19,23-HEXAMETHYL-	000111-01-3	58
94	25.86	0.30	Methoxyacetic acid, 2-tridecyl ester	999073-94-8	87
95	25.96	0.60	1,1'-Biphenyl, 2,2',5,5'-tetramethyl-	003075-84-1	92
96	26.04	0.27	THIEPIN, 2,3,4,5-TETRAHYDRO-, 1-OXIDE	075067-17-3	83
97	26.11	0.21	PENTADECANE	000629-62-9	90
98	26.20	0.47	HEXATRIACONTANE	000630-06-8	83
99	26.28	0.18	Oxalic acid, butyl 6-ethyloct-3-yl ester	999074-11-0	64
100	26.34	0.33	Tetratriacontane	014167-59-0	91
101	26.41	0.42	Octadecane	000593-45-3	72
102	26.50	0.32	Hexadecane	000544-76-3	91
103	26.57	0.36	3,5-di-tert-Butyl-4-hydroxybenzaldehyde	001620-98-0	98
104	26.67	0.21	1-OCTADECENE	000112-88-9	89
105	26.80	0.29	OCTADECANE	000593-45-3	95
106	26.87	0.23	Heptadecane	000629-78-7	92
107	26.91	0.31	Sulfurous acid, butyl tetradecyl ester	999074-51-8	91
108	27.11	0.24	3,5-di-tert-Butyl-4-hydroxyacetophenone	014035-33-7	98
109	27.24	0.16	1-HEXADECENE	000629-73-2	90
110	27.43	0.10	Heptadecane	000629-78-7	90
111	27.48	0.21	Z-8-Hexadecene	999013-94-1	95
112	27.87	0.39	HEXADECANENITRILE	000629-79-8	95
113	28.10	0.08	HEXADECANOIC ACID, METHYL ESTER	000112-39-0	93
114	28.34	1.31	METHYL ESTER OF 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)-PROPIONIC ACID	000000-00-0	97
115	28.53	0.10	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER	000084-74-2	43
116	28.90	0.06	NONADECANE	000629-92-5	70
117	29.70	3.87	2-Undecen-4-ol	022381-86-8	43
118	30.44	0.15	BENZO[B]FLUORENONE	099707-95-6	87
119	31.85	0.09	3,4-Dihydrocoumarin, 4,4-dimethyl-6-dimethylamino-8-METHYL-7,9-DIPHENYL-8-AZASPIRO[4.5]DECA-6,9-DIENE-6,10-DICARBONITRILE	029423-77-6	80
120	34.53	1.98		083078-30-2	78
121	35.65	6.18	4,4'-Ethylenebis(2,6-di-tert-butylphenol)	001516-94-5	93

TIC graph: Membrane 2#



Search report: Membrane 2#

PK	RT(min)	Area (%)	Possible Compound	CAS No.	Match
1	2.82	0.06	FURAN, 2,5-DIHYDRO-	001708-29-8	91
2	4.91	0.18	Toluene	000108-88-3	91
3	5.39	0.17	2-Furanol, tetrahydro-	005371-52-8	33
4	12.26	0.08	2(3H)-FURANONE, DIHYDRO-	000096-48-0	86
5	13.78	0.55	1,4-BUTANEDIOL	000110-63-4	86
6	14.82	0.21	PHENOL	000108-95-2	94
7	14.92	0.11	Heptane, 2,2,4,6,6-pentamethyl-	013475-82-6	72
8	15.48	0.06	UNDECANE, 2,2-DIMETHYL-	017312-64-0	72
9	15.83	0.06	Dodecane, 2,2,11,11-tetramethyl-	127204-12-0	78
10	15.90	0.08	CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-	000138-86-3	96
11	15.96	0.09	1-HEXENE, 5,5-DIMETHYL-	007116-86-1	58
12	16.08	0.25	2-PYRROLIDINONE, 1-METHYL-	000872-50-4	64
13	16.39	0.11	Decane, 2,6,8-trimethyl-	062108-26-3	64
14	16.48	0.21	HEXANE, 2,2,5-TRIMETHYL-	003522-94-9	64
15	16.59	0.09	DODECANE	000112-40-3	90
16	16.71	0.11	Undecane, 3,6-dimethyl-	017301-28-9	64
17	16.95	0.08	Hexadecane	000544-76-3	64
18	17.21	0.22	Nonadecane	000629-92-5	58
19	17.35	0.11	Nonane, 5-(2-methylpropyl)-	062185-53-9	53
20	17.49	0.11	Hexadecane, 7,9-dimethyl-	021164-95-4	86
21	17.52	0.10	NONANAL	000124-19-6	64
22	17.60	0.09	NONANE, 3-METHYL-5-PROPYL-	031081-18-2	64
23	17.72	0.14	Heptane, 2,4-dimethyl-	002213-23-2	64
24	17.79	0.33	Methyltris(trimethylsiloxy)silane	017928-28-8	38
25	17.96	0.21	2-Oxo-1-methyl-3-isopropylpyrazine	078210-68-1	38
26	18.13	0.13	PENTANEDIOIC ACID, DIMETHYL ESTER	001119-40-0	86
27	18.47	0.34	Cyclopentasiloxane, decamethyl-	000541-02-6	95
28	18.70	0.05	Undecane, 3-methyl-	001002-43-3	72
29	18.97	0.19	Azulene	000275-51-4	90
30	18.99	0.20	Pentasiloxane, dodecamethyl-	000141-63-9	93
31	19.19	0.06	Dodecane	000112-40-3	96
32	19.30	0.06	DECANAL	000112-31-2	91
33	19.67	0.13	PHENOL, 4-(METHYLTHIO)-	001073-72-9	58
34	19.90	0.10	Pentasiloxane, dodecamethyl-	000141-63-9	49
35	20.36	0.06	PROPANOIC ACID, 2-METHYL-, 2-ETHYL-3-HYDROXYHEXYL ESTER	074367-31-0	59
36	20.44	0.14	PENTADECANE	000629-62-9	90
37	20.56	0.06	Heneicosane	000629-94-7	86



38	20.61	0.23	4-CHLORO-2-(7-TRIFLUOROMETHYL-2,3-DIHYDRO-1H-[1,4] DIAZEPIN-5-YL)-PHENOL	999478-56-7	15
39	20.72	0.23	NAPHTHALENE, 1-METHYL-	000090-12-0	97
40	20.86	0.26	2(1H)-NAPHTHALENONE, OCTAHYDRO-1-METHYL-1-(2-PROPENYL)-, (1.ALPHA.,4A.BETA.,8A.ALPHA.)-	097571-39-6	90
41	20.98	0.07	NAPHTHALENE, 2-METHYL-	000091-57-6	95
42	21.10	0.62	1H-INDOL-2-AMINE, N-HYDROXY-1-METHYL-N-PHENYL-3-[(PHENYLIMINO)METHYL]-, (E)-	127744-55-2	37
43	21.26	0.19	DODECANE	000112-40-3	70
44	21.33	0.10	HEPTADECANE, 2,6,10,14-TETRAMETHYL-	018344-37-1	90
45	21.36	0.06	HEXATRIACONTANE	000630-06-8	72
46	21.48	0.10	Phenol, 2-(1,1-dimethylethyl)-4-methyl-	002409-55-4	95
47	21.71	0.11	Sulfurous acid, butyl undecyl ester	999074-16-1	59
48	21.93	0.11	Biphenyl	000092-52-4	93
49	21.99	0.15	TETRACONTANE, 3,5,24-TRIMETHYL-	055162-61-3	64
50	22.10	0.28	TETRADECANE	000629-59-4	98
51	22.26	0.35	Hexasiloxane, tetradecamethyl-	000107-52-8	92
52	22.37	0.08	CYCLOPROPA[D]NAPHTHALEN-2(4AH)-ONE, 1,1A,5,6,7,8-HEXAHYDRO-4A,8,8-TRIMETHYL-, [1AR-(1A.ALPHA.,4A.BETA.,8AS*)]-	004677-90-1	18
53	22.46	0.09	Naphthalene, 1,2,3,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)-, (1S-cis)-	000483-76-1	83
54	22.49	0.09	NAPHTHALENE, 1,7-DIMETHYL-	000575-37-1	97
55	22.53	0.08	Naphthalene, 2,6-dimethyl-	000581-42-0	95
56	22.76	0.21	Cyclotetradecane	000295-17-0	83
57	22.82	0.29	Morpholine, 4-methyl-	000109-02-4	59
58	22.93	0.33	4-(Diethylaminomethyl)-2,5-dimethylphenol	069286-57-3	49
59	23.09	2.79	2,6-DI(T-BUTYL)-4-HYDROXY-4-METHYL-2,5-CYCLOHEXADIEN-1-ONE	000000-00-0	91
60	23.23	7.20	2,5-CYCLOHEXADIEN-1-ONE, 2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYLENE-	002607-52-5	94
61	23.29	0.14	DODECANE	000112-40-3	62
62	23.33	0.82	Benzenepropanoic acid, .alpha.,4-bis[(tert-butyl)dimethylsilyloxy]-, tert-butyl)dimethylsilyl ester	999116-24-8	9
63	23.38	0.61	13-Methylhentriacontane	999075-10-6	43
64	23.68	33.14	PHENOL, 2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL-	000128-37-0	97
65	23.76	0.41	PHENOL, 2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL-	000128-37-0	94
66	23.90	0.98	Hexacosane	000630-01-3	64
67	23.94	0.51	BUTYLATED HYDROXY TOLUENE	000000-00-0	86
68	24.02	0.50	Oxalic acid, bis(6-ethyloct-3-yl) ester	999074-78-9	41
69	24.08	0.44	OCTANE, 2-METHYL-	003221-61-2	50
70	24.15	1.05	Thiophene, 2,5-dibutyl-	006911-45-1	81
71	24.25	0.45	PENTADECANE, 3-METHYL-	002882-96-4	83
72	24.30	0.52	Heptasiloxane, hexadecamethyl-	000541-01-5	76
73	24.42	0.32	Oxalic acid, cyclobutyl octadecyl ester	999060-60-6	43
74	24.50	0.35	1-HEXADECENE	000629-73-2	98
75	24.60	6.10	4-Heptanone, 3-methyl-	015726-15-5	72
76	24.65	0.51	Pentadecane	000629-62-9	51
77	24.85	0.30	1H-3A,7-METHANOAZULEN-6-OL, OCTAHYDRO-3,6,8,8-TETRAMETHYL-, [3R-(3.ALPHA.,3A.BETA.,6.ALPHA.,7.BETA.,8A.ALPHA.)]-	000077-53-2	96
78	25.03	0.32	T-(4,7)-E-(7,8)-8-ENDO-ETHENYL-8-ENDO-METHYL-4-METHYLENE-7-EXO-PROPEN-2'-YL-2-OXABICYCLO[4.3.0]NON-3-ONE	069855-24-9	90
79	25.10	0.36	HEPTADECANE	000629-78-7	91
80	25.14	0.46	Dodecane, 2,6,10-trimethyl-	003891-98-3	86
81	25.26	0.48	Cyclopentane, undecyl-	006785-23-5	98
82	25.31	0.33	Tridecane	000629-50-5	83
83	25.38	0.28	CYCLOOCTASILOXANE, HEXADECAMETHYL-	000556-68-3	74
84	25.42	0.34	2,2',3,3'-TETRAMETHYLBIPHENYL	000000-00-0	90
85	25.58	0.28	2-Ethyl-1-dodecanol	019780-33-7	68
86	25.64	0.60	2,2',5,5'-TETRAMETHYL-1,1'-BIPHENYL #	003075-84-1	91
87	25.72	1.10	Heptadecane	000629-78-7	95
88	25.79	0.89	DECANE, 2-METHYL-	006975-98-0	90

89	25.87	0.29	Octacosane	000630-02-4	87
90	25.90	0.24	1H-INDENE, 2,3-DIHYDRO-1-METHYL-3-PHENYL-	006416-39-3	98
91	25.96	0.63	1,1'-Biphenyl, 2,2',5,5'-tetramethyl-	003075-84-1	91
92	26.05	0.30	1,3-DIOXEPANE, 2-PENTADECYL-	041563-29-5	43
93	26.20	0.48	PENTADECANE	000629-62-9	91
94	26.29	0.18	Oxalic acid, 6-ethyloct-3-yl isobutyl ester	999074-10-9	64
95	26.34	0.39	Octacosane	000630-02-4	91
96	26.40	0.45	1-HEPTADECENE	006765-39-5	53
97	26.50	0.36	Hexadecane	000544-76-3	96
98	26.57	0.47	3,5-di-tert-Butyl-4-hydroxybenzaldehyde	001620-98-0	98
99	26.68	0.25	1-OCTADECENE	000112-88-9	89
100	26.80	0.35	OCTADECANE	000593-45-3	98
101	26.87	0.25	Heptadecane	000629-78-7	86
102	26.91	0.36	EICOSANE	000112-95-8	87
103	27.12	0.41	3,5-di-tert-Butyl-4-hydroxyacetophenone	014035-33-7	95
104	27.24	0.17	Heptacosane, 1-chloro-	062016-79-9	87
105	27.43	0.16	Heptadecane	000629-78-7	86
106	27.48	0.24	Cyclopentane, decyl-	001795-21-7	96
107	27.59	0.12	1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester	000084-69-5	72
108	27.87	0.44	Pentadecanenitrile	018300-91-9	98
109	28.10	0.16	HENTRIACONTANE	000630-04-6	49
110	28.33	0.59	METHYL ESTER OF 3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)-PROPIONIC ACID	000000-00-0	99
111	28.53	0.19	1,2-BENZENEDICARBOXYLIC ACID, DIISOCTYL ESTER	027554-26-3	47
112	28.67	0.10	BENZ[C]ACRIDINE, 5-METHYL-	003519-87-7	72
113	28.90	0.05	HEPTADECANE	000629-78-7	78
114	29.43	0.04	10,18-Bisnorabieta-8,11,13-triene	032624-67-2	86
115	29.70	3.67	(S)-2-HEXEN-4-OL	000000-00-0	59
116	30.44	0.28	BENZO[B]CYCLOPROPA[1M]FLUORENONE	099707-84-3	87
117	31.84	0.10	12-AZABICYCLO[9.2.1]TETRADECA-11(14),13-DIENE, 2-ETHYL-, (-)- 9-CARBOMETHOXY-6,11-DIMETHOXY-5-OXOXANTHO	061936-87-6	72
118	32.27	0.09	[3,2-G]TETRALIN	090623-70-4	90
119	33.69	0.22	MORPHOLINE, 3-METHYL-2-PHENYL-	000134-49-6	47
120	34.54	6.77	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-	025973-55-1	91
121	35.65	9.21	4,4'-Ethylenebis(2,6-di-tert-butylphenol)	001516-94-5	93

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