**Identificación de presenciza de compuestos en muestras**

Tabla AV01- Los Ángeles, antes de planta de tratamiento (Diclorometano)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención (min) | Área(%) | Nombre IUPAC | CAS# | clasificación |  |
| 12.285 | 0,59 | Pentanal, 5-(Benzyloxy) | 055162-83-9 | aldehido |  |
| 13.126 | 0.75 | Thiourea, 1-(1,1-dimethyl-2-propynyl)-3-(1-naphthyl)- | 284488-06-8 |  |  |
| 13.259 | 0.53 | 2,4,6-Trifluoroaniline | 000363-81-5 | benceno |  |
| 13.419 | 0.52 | 10,18-Bisnorabieta-8,11,13-triene | 032624-67-2 | Hidrocarburo policiclico aromático | Para hacer plastico |
| 13.656 | 1.35 | Benzene, 1-methyl-4-(1,2,2-trimethylcyclopentyl)-, (R)- | 016982-00-6 | sesquiterpenoide | Ocurrencia natural |
| 13.845 | 0.55 | Benzoic acid, 4-(4-propylcyclohexyl)-, 3-fluorophenyl ester | 087592-61-8 | ‘acido carboxílico aromático |  |
| 13.939 | 0.74 | Phenol, 4-chloro-2,6-bis(1,1-dimethylethyl\* | 004096-72-4 | Compuesto fenolico |  |
| 14.015 | 0.34 | Di-epi-.alpha.-cedrene-(I) | 021996-77 | terpeno | ocurrencia en plantas |
| 14.091 | 1.23 | N-Propionylserotonin | 106827-56-9 |  |  |
| 14.166 | 0.37 | Benzene, 1-(2-butenyl)-2,3-dimethyl | 054340-85-1 | Benceno(?) |  |
| 14.232 | 0.32 | Kaur-15-ene, (5.alpha.,9.alpha.beta. | 000511-85-3 | diterpeno | Ocurrencia natural |
| 14.563 | 0.29 | 1-Hexanamine, N-(phenylmethylene) | 019340-96-6 | imina |  |
| 14.771 | 0.52 | Spiro[4.5]decane, 6-methylene | 019144-01-5 |  |  |
| 16.237 | 0.32 | 1H-Cyclopropa[a]naphthalene,1a,2,3,5,6,7,7a,7b-octahydro-1,1,7,7a-tetramethyl-,[1aR-(1a.alpha.,7.alpha.,7a.alpha.,7b.alpha.)] | 017334-55-3 | sesquiterpenoide | Ocurrencia natural |
| 16.568 | 1.11 | 1-Butanone, 2-methyl-1-phenyl | 000938-87-4 | Bencilo(?) | Produccion revestimientos derivados de resinas epoxicas |
| 19.140 | 16.21 | Morpholine, 4-phenyl | 000092-53-5 | Benceno(?) | Resina ignifuga de vinilester |
| 19.140 | 16.21 | Glyoxylamide, N-phenyl | 31632 032331-52-5 | fenilo |  |
| 19.263 | 15.93 | Morpholine, 4-phenyl- | 000092-53-5 |  |  |
| 19.433 | 2.08 | Glyoxylamide, N-phenyl- | 032331-52-5 | fenilo |  |
| 19.802 | 51.88 |  |  |  |  |
| 33.332 | 1.47 | Friedelan-3-one | 000559-74-0 | terpeno |  |

Tabla AV02- Los Ángeles, pre tratamiento (Hexano)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención | ‘Area% | Nombre | CAS# |  |  |
| 10.677 | 3.41 | Dodecanoic acid, ethyl ester | 000106-33-2 | Alcano  Acido carboxilico(?) | Ocurrencia natural |
| 12.701 | 1.49 | Ethyl 9-tetradecenoate | 1000336-60-8 | Acido carboxilico(?) |  |
| 12.937 | 10.04 | Tetradecanoic acid, ethyl ester | 000124-06-1 | Alcano(?) |  |
| 13.921 | 1.35 | Tetradecanoic acid, propyl ester | 014303-70-9 | Acido carboxilico |  |
| 13.958 | 0.83 | Pentadecanoic acid, ethyl ester | 041114-00-5 | Ester (?) |  |
| 14.762 | 6.44 | Ethyl 9-hexadecenoate | 054546-22-4 | Ester(?) |  |
| 14.970 | 14.17 | Hexadecanoic acid, ethyl ester | 000628-97-7 | ester |  |
| 15.670 | 1.07 | n-Propyl 9-hexadecenoate | 1000336-64-8 | Acido carboxilico |  |
| 15.849 | 2.29 | Hexadecanoic acid, propyl ester | 002239-78-3 | ester | Ocurrencia natural |
| 16.577 | 12.66 | Ethyl Oleate | 000111-62-6 | ester de acido graso | ocurrencia natural en plantas |
| 16.653 | 0.94 | Tetradecanoic acid, hexyl ester / | 1000405-19-9 | alcano |  |
| 16.710 | 1.46 | Hexadecanoic acid, butyl ester | 000111-06-8 | ester |  |
| 16.795 | 8.56 | Octadecanoic acid, ethyl ester | 000111-61-5 | Ester de acido graso | Metabolito de pantas |
| 17.400 | 2.13 | n-Propyl 9-octadecenoate | 1000336-71-6 |  |  |
| 18.204 | 2.62 | Methyl dehydroabietate | 001235-74-1 | acido resinico | uso cosmetico |
| 18.355 | 1.28 | Hexadecanoic acid, hexyl ester | 042232-25-7 | ester |  |
| 18.468 | 2.54 | Eicosanoic acid, ethyl ester | 018281-05-5 | ester |  |
| 19.282 | 1.07 | Octacosane, 2-methyl | 001560-98-1 | alcano |  |
| 19.745 | 2.23 | 1-Nonadecene | 018435-45-5 | alcano |  |
| 20.029 | 2.57 | Docosanoic acid, ethyl ester | 005908-87-2 | Ester aciclico | Ocurrencia natural en algunas plantas  Plastico biocompatible |
| 21.513 | 2.19 | Ethyl tetracosanoate | 024634-95-5 | Ester aciclico. | Ocurrencia natural en algunas plantas.  resinas |

AV03- Los Ángeles, despues de planta, Hexano

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención | Área % | ID/library | CAS# |  |  |
| 11.368 | 2.35 | Tributyl phosphate | 000126-73-8 | ester | plastificante |
| 14.280 | 1.35 | Hexadecanoic acid, methyl ester | 000112-39-0 | Ester aciclico | Ocurrencia natural en plantas |
| 14.507 | 1.21 | (1S,4aS,4bS,7S,8aS,10aS)-7-Isopropyl-1,4a-dimethyltetradecahydrophenanthrene  fichtelite | 002221-95-6 | diTerpeno |  |
| 14.630 | 0.37 | 2H-Inden-2-one, octahydro-3a-methyl-, trans | 020379-99-1 |  |  |
| 14.885 | 0.55 | 18-Norabietane | 1000293-16-6 | diterpeno |  |
| 14.979 | 0.75 | Pentacosane | 000629-99-2 | alcano | Metabolits plantas |
| 15.225 | 0.54 | Isopropyl palmitate | 000142-91-6 | ester | Ocurrencia natural vegetales |
| 15.916 | 1.22 | Hexacosane | 000630-01-3 | alcano | Ocurrencia natural vegetales |
| 16.804 | 1.72 | Heptadecane, 2,6,10,15-tetramethyl | 054833-48-6 | alcano | Metabolito humano |
| 17.665 | 1.15 | Octacosane, 2-methyl | 001560-98-1 | alcano | Ocurrencia en vegetales |
| 18.487 | 0.85 | Octadecane | 000593-45-3 | alcano | Metabolito vegetal y bacterial |
| 19.282 | 0.54 | Sulfurous acid, dodecyl 2-propyl ester | 1000309-12-3 | Ester organico  Metabolito plastico | Wagner, M., Monclús, L., Arp, H. P. H., Groh, K. J., Løseth, M. E., Muncke, J., Wang, Z., Wolf, R., & Zimmermann, L. (2024). S119 | PLASTCHEM | PlastChem chemicals (NORMAN-SLE-S119.0.1.0) [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.13834059> |

AV04- Los Ángeles, despues de planta trat, diclorometano

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención | ‘Area% | ID/Library | CAS# |  |  |
| 11.982 | 4.00 | Benzene, (1-methyldecyl) | 004536-88-3 | benceno | Ocurrencia natural |
| 13.098 | 2.69 | Benzene, (1-methylundecyl | 002719-61-1 | benceno |  |
| 13.845 | 1.97 | n-Heptadecanol-1 | 001454-85-9 | alcano | Metabolito vegetal y fungal |

AV05- Los Ángeles, Pre tratamiento, Acetato de Etilo (ultrasonido)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención | ‘Area% | ID/Library | CAS# |  |  |
| 11.982 | 0.59 | Benzene, (1-methyldecyl) | 004536-88-3 | benceno | Ocurrencia en plantas |
| 13.098 | 0.78 | Benzene, (1-methylundecyl) | 002719-61-1 | benceno |  |
| 13.249 | 0.78 | Tetradecanoic acid | 000544-63-8 | Acido alcanoico | Ocurrencia en plantas |
| 13.835 | 1.01 | Cyclotetradecane | 000295-17 | cicloalcano | Ocurrencia en plantas |
| 14.006 | 0.92 | Homosalate | 000118-56-9 | ester | Bloqueador solar |
| 14.280 | 1.02 | Hexadecanoic acid, methyl ester | 000112-39-0 | ester | Ocurrencia en plantas |
| 14.980 | 0.65 | Heptacosane | 000593-49-7 |  |  |
| 15.225 | 0.65 | Isopropyl palmitate | 000142-91-6 | ester | Metabolito humano |
| 15.802 | 0.79 | 1-Heneicosanol | 015594-90-8 | alcanol | Ocurrencia en vegetales |
| 15.916 | 1.19 | 10-Methylnonadecane | 056862-62-5 | alcano |  |
| 16.804 | 2.46 | Hexacosane | 000630-01-3 | alcano |  |
| 17.665 | 1.88 | Heptacosane | 000593-49-7 | alcano |  |
| 18.487 | 1.03 | Hexacosane | 000630-01-3 | alcano |  |
| 20.728 | 0.88 | Octocrylene | 006197-30-4 | ester | Componente protector solar |

AV06- Los Ángeles, despues de planta trat, Acetato de Etilo (Ultrasonido)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención | Area % | ID/Library | CAS# |  |  |
| 11.557 | 3.02 | Benzene, (1-ethyloctyl) | 004621-36-7 | benceno |  |
| 11.982 | 4.53 | Benzene, (1-methyldecyl) | 004536-88-3 | benceno |  |
| 12.313 | 2.32 | Benzene, (1-butyloctyl) | 002719-63-3 | benceno |  |
| 12.445 | 2.27 | Benzene, (1-propylnonyl | 002719-64-4 | benceno |  |
| 12.691 | 3.04 | Benzene, (1-ethyldecyl)- | 002400-00-2 |  |  |
| 3.098 | 3.85 | Benzene, (1-methylundecyl) | 002719-61-1 |  |  |
| 14.157 | 2.46 | Benzene, (1-methyldodecyl | 004534-53-6 | benceno |  |
| 14.318 | 2.66 | 7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2,8-dione | 082304-66-3 | oxaspiro | Ocurrencia en plantas  Posiblemente relacionado con irganox  Contaminante de aguas  https://www.sciencedirect.com/science/article/abs/pii/S004313542300742X |
| 17.665 | 2.09 | Tetratetracontane | 007098-22-8 | alcano | Ocurrencia en plantas |
| 18.487 | 4.31 | Octacosane | 000630-02-4 |  |  |
| 18.705 | 4.02 | cis-Calamenene | 072937-55-4 | sesquiterpenoide | Ocurrenciua en plantas |
| 19.130 | 9.22 | Phenylphosphonic acid, hexyl propyl ester | 1000393-21-6 |  |  |
| 19.282 | 8.36 | Octadecane, 1-chloro- | 003386-33-2 | haloalcano |  |

AV07- Quilaco- Diclorometano

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo retención | Area % | ID/Library | CAS# |  |  |
| 11.982 | 5.10 | Benzene, (1-methyldecyl) | 004536-88-3 | benceno |  |
| 13.107 | 5.45 | Benzene, (1-methylundecyl | 002719-61-1 | benceno |  |
| 13.381 | 2.16 | 1,5-Decadiyne | 053963-03-4 | Compuesto aliphatico | Polimerización (poliuretano |

AV08- Quilao- Hexano

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo retención | Area % | ID/Library | CAS# |  |  |
| 6.432 | 4.57 | Undecane | 001120-21-4 | alcano |  |
| 7.103 | 5.62 | Pentacosane | 000629-99-2 | alcano |  |
| 7.377 | 3.03 | Carbonic acid, hexadecyl prop-1-en-2-yl ester | 1000382-90-3 |  |  |
| 9.448 | 3.45 | Heneicosane | 000629-94-7 | alcano |  |
| 10.015 | 4.69 | Dodecane, 2,6,11-trimethyl- | 031295-56-4 | Alcano ramificado |  |
|  |  |  |  |  |  |
| 10.129 | 2.12 | Tetradecane | 000629-59-4 |  |  |
| 12.010 | 3.59 | Carbonic acid, eicosyl vinyl ester | 1000382-54-3 |  |  |
| 12.483 | 5.01 | Octacosane | 000630-02-4 | alcano |  |
| 12.587 | 1.77 | Octacosane, 2-methyl- | 001560-98-1 |  |  |
| 12.682 | 2.11 | Heptacosane | 000593-49-7 | alcano | Metabolito de plantas |
| 14.261 | 3.35 | Octadecane | 000593-45-3 |  |  |
| 14.677 | 2.48 | Pentadecane, 2,6,10-trimethyl- | 003892-00-0 | sesquiterpenoide |  |
| 16.643 | 2.80 | Pentadecane, 2,6,10-trimethyl- | 003892-00-0 |  |  |
| 16.804 | 3.53 | Hentriacontane | 000630-04-6 | alcano | Ocurrencia en plantas |
| 17.665 | 3.49 | Octacosane, 2-methyl- | 001560-98-1 |  |  |
| 18.487 | 5.61 | Tetracosane | 000646-31-1 |  |  |
| 19.282 | 4.77 | Tetratetracontane | 007098-22-8 | Alcano cadena larga |  |
| 20.047 | 3.61 | Hentriacontane | 000630-04-6 |  |  |
| 0.785 | 3.79 | 2-Methyltetracosane | 001560-78-7 | Hidrocarbono alifatico | Ocurrencia en plantas |
|  |  |  |  |  |  |

**Sedimentos:**

AVS02- Post tratamiento, Los Ángeles- 100 mesh- Hexano-Acetato de Etilo 50:50

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención | Área % | ID/Library | CAS# |  |  |
| 11.661 | 1.72 | Cyclododecane | 000294-62-2 | alcano |  |
| 13.155 | 1.88 | 2-Ethylhexyl salicylate | 000118-60-5 | ester | Protector solar  Ocurrencia en plantas |
| 13.845 | 2.42 | Cyclohexadecane | 000295-65-8 | cicloalcano |  |
| 14.015 | 2.58 | Homosalate | 000118-56-9 | x | x |
| 14.980 | 1.44 | Pentadecane | 000629-62-9 | alcano | Ocurrencia natural |
| 15.812 | 2.08 | Cyclotetradecane | 000295-17-0 | cicloalcano |  |
| 15.916 | 1.29 | Cyclotetradecane | 000295-17-0 | cicloalcano |  |
| 16.814 | 1.83 | Heptadecane | 000629-78-7 |  |  |
| 17.674 | 2.46 | Tricosane | 000638-67-5 |  |  |
| 18.213 | 1.32 | Methyl dehydroabietate | 001235-74-1 |  |  |
| 18.497 | 2.45 | Tetracosane | 000646-31-1 | xxxx | x |
| 19.282 | 2.19 | Hexadecane | 000544-76-3 |  |  |
| 19.480 | 1.55 | Estrone, TMS derivative | 001839-54-9 | esteroide |  |
| 20.728 | 1.17 | Octocrylene | 006197-30-4 |  |  |
| 20.785 | 1.44 | Heptadecane | 000629-78-7 |  |  |
| 22.364 | 1.37 | 1-Octadecene | 000112-88-9 |  |  |
| 25.125 | 2.25 | Cholesterol | 000057-88-5 | esterol, alcohol |  |

AVS03 -Pre tratamiento, Los Ángeles- 50 mesh- Hexano-Acetato de Etilo 50:50

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retencion | Area% | ID/Library | CAS# |  |  |
| 8.314 | 1.71 | Benzaldehyde, 3-hydroxy-4-methoxy | 000621-59-0 |  |  |
| 12.654 | 5.68 | Dibutyl adipate | 000105-99-7 | Ester de acido graso | Toxico para organismios acuaticos.  Cosmetico y plastiificante |
| 12.824 | 1.69 | Drim-7-en-11-ol | 000468-68-8 | sesquiterpeno | camaropella lutea, trichocolea tomentella |
| 13.476 | 2.40 | 2-Pentadecanone, 6,10,14-trimethyl | 000502-69-2 |  |  |
| 13.845 | 2.48 | 7-Hexadecene, (Z)- | 035507-09-6 |  |  |
| 14.006 | 2.12 | Nonadecane | 000629-92-5 |  |  |
| 14.280 | 1.58 | Hexadecanoic acid, methyl ester | 000112-39-0 |  |  |
| 14.980 | 1.98 | Heneicosane | 000629-94-7 |  |  |
| 15.812 | 2.30 | Cyclohexadecane | 000295-65-8 |  |  |
| 16.719 | 1.67 | Hexadecanoic acid, butyl ester | 000111-06-8 |  |  |
| 17.674 | 2.44 | Octadecane | 000593-45-3 |  |  |
| 18.204 | 1.64 | Methyl dehydroabietate | 001235-74-1 |  |  |
| 18.497 | 2.27 | Tetracosane | 000646-31-1 |  |  |
| 19.282 | 3.06 | Hexadecane | 000544-76-3 |  |  |
| 20.728 | 1.93 | Octocrylene | 006197-30-4 |  |  |
| 20.785 | 3.25 | Heneicosane | 000629-94-7 |  |  |
| 22.364 | 2.20 | Octadecane | 000593-45-3 |  |  |
| 28.397 | 1.99 | gamma.-Sitosterol | 000083-47-6 |  |  |
| 31.356 | 1.89 | Stigmast-4-en-3-one | 001058-61-3 |  |  |
| 33.351 | 1.82 | Friedelan-3-one | 000559-74-0 |  |  |

AVS04- Pre tratamiento, Los Ángeles- 100 mesh- Hexano-Acetato de Etilo 50:50

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención | Área% | ID/Library | CAS# |  |  |
| 8.323 | 1.41 | Benzaldehyde, 3-hydroxy-4-methoxy | 000621-59-0 |  |  |
| 12.653 | 4.38 | Dibutyl adipate | 000105-99-7 |  |  |
| 12.814 | 3.14 | Drim-7-en-11-ol | 000468-68-8 |  |  |
| 13.476 | 2.49 | 2-Pentadecanone, 6,10,14-trimethyl | 000502-69-2 |  |  |
| 13.845 | 2.56 | 1-Hexadecanol | 036653-82-4 |  |  |
| 14.006 | 3.30 | Nonadecane | 000629-92-5 |  |  |
| 14.280 | 1.83 | Hexadecanoic acid, methyl ester | 000112-39-0 |  |  |
| 14.686 | 2.55 | Isooctyl mercaptoacetate | 025103-09-7 |  |  |
| 15.811 | 2.23 | 1-Docosene | 001599-67-3 |  |  |
| 15.925 | 1.47 | Heneicosane | 000629-94-7 |  |  |
| 17.674 | 2.86 | Heptadecane | 000629-78-7 |  |  |
| 18.204 | 2.04 | 4,8,12,16-Tetramethylheptadecan-4-olide | 096168-15-9 |  |  |
| 15.925 | 1.47 | Heneicosane | 000629-94-7 |  |  |
| 17.674 | 2.86 | Heptadecane | 000629-78-7 |  |  |
| 18.204 | 2.04 | 4,8,12,16-Tetramethylheptadecan-4-olide | 096168-15-9 |  |  |
| 18.497 | 2.45 | Tetracosane | 000646-31-1 |  |  |
| 18.648 | 2.28 | 2,2,4,4-Tetramethyl-6-(1-oxo-3-phenylprop-2-enyl)-cyclohexane-1,3,5-trione | 1000360-32-3 |  |  |
| 19.291 | 4.13 | Hexadecane | 000544-76-3 |  |  |
| 20.738 | 1.50 | Octocrylene | 006197-30-4 |  |  |
| 20.794 | 3.25 | Tetracosane | 000646-31-1 |  |  |
| 22.373 | 3.07 | Nonacosane | 000630-03-5 |  |  |
| 25.134 | 1.78 | 26-Nor-5-cholesten-3.beta.-ol-25-one | 007494-34-0 |  |  |
|  |  |  |  |  |  |

AVS05- Quilaco- 50 mesh - Hexano-Acetato de Etilo 50:50

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Área | ID/Library | CAS# |
| 11.320 | 1.31 | Benzene, (1-propyloctyl) | 004536-86-1 |
| 11.557 | 1.46 | Benzene, (1-ethylnonyl) | 004536-87-2 |
| 11.982 | 3.09 | Benzene, (1-methyldecyl | 004536-88-3 |
| 12.266 | 1.31 | Benzene, (1-pentylheptyl | 002719-62-2 |
| 12.313 | 1.48 | Benzene, (1-butyloctyl) | 002719-63-3 |
| 12.644 | 4.75 | Dibutyl adipate | 000105-99-7 |
| 12.691 | 1.68 | Benzene, (1-ethyldecyl) | 002400-00-2 |
| 13.098 | 3.28 | Benzene, (1-methylundecyl) | 002719-61-1 |
| 13.315 | 1.45 | Benzene, (1-pentyloctyl) | 004534-49-0 |
| 13.769 | 2.16 | Benzene, (1-ethylundecyl) | 004534-52-5 |
| 13.835 | 1.35 | Cyclotetradecane | 000295-17-0 |
| 14.006 | 1.59 | Nonadecane | 000629-92-5 |
| 14.166 | 2.22 | Benzene, (1-methyldodecyl) | 004534-53-6 |
| 15.802 | 2.55 | Behenic alcohol | 000661-19-8 |
| 16.890 | 1.32 | Benzoic acid, pentadecyl ester | 1000340-22-8 |
| 17.665 | 1.90 | Tricosane | 000638-67-5 |
| 17.788 | 1.33 | Benzoic acid, tridecyl ester | 1000340-22-6 |
| 18.487 | 1.66 | Tetracosane | 000646-31-1 |
| 19.282 | 4.05 | Carbonic acid, eicosyl vinyl ester | 1000382-54-3 |
| 20.776 | 3.09 | Octacosane | 000630-02-4 |
| 22.355 | 1.71 | Heptadecane | 000629-78-7 |
| 29.512 | 1.65 |  |  |

AVS06- Quilaco, 100 mesh - Hexano-Acetato de Etilo 50:50

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Área % | ID/Library | CAS# |
| 8.332 | 1.53 | Benzaldehyde, 3-hydroxy-4-methoxy- | 28898 000621-59-0 |
| 11.661 | 1.79 | E-14-Hexadecenal | 330207-53-9 |
| 12.644 | 5.13 | Dibutyl adipate | 000105-99-7 |
| 12.814 | 4.34 | Drim-7-en-11-ol | 000468-68-8 |
| 13.476 | 2.46 | 2-Pentadecanone, 6,10,14-trimethyl | 000502-69-2 |
| 13.835 | 1.78 | 1-Hexadecanol | 036653-82-4 |
| 14.715 | 4.56 | Dibutyl phthalate | 000084-74-2 |
| 14.951 | 1.61 | (3R,3aR,4aR,8aR,9aR)-3,8a-Dimethyl-5-methylene-3,3a,4,4a,5,6,9,9a-octahydronaphtho[2,3-b]furan-2(8aH)-one | 066964-62-3 |
| 15.802 | 2.50 | 7-Hexadecene, (Z)- | 035507-09-6 |
| 15.916 | 1.8521.513 | Heneicosane | 000629-94-7 |
| 16.804 | 1.88 | Octacosane | 000630-02-4 |
| 17.665 | 3.52 | Tricosane | 000638-67-5 |
| 18.487 | 2.96 | Tetracosane | 000646-31-1 |
| 18.648 | 1.56 | Behenyl benzoate | 103403-38-9 |
| 19.282 | 8.62 | Octacosane | 000630-02-4 |
| 19.735 | 6.10 | Bis(2-ethylhexyl) phthalate | 000117-81-7 |
| 20.048 | 3.56 | Tetracosane | 000646-31-1 |
| 20.785 | 10.50 | Heneicosane | 000629-94-7 |
| 21.513 | 1.65 | Tritetracontane | 007098-21-7 |
| 22.364 | 7.30 | Heptadecane | 000629-78-7 |
| 24.529 | 2.70 | Tritetracontane | 007098-21-7 |
| 29.522 | 3.33 | Lup-20(29)-en-3-one | 001617-70-5 |
|  |  |  |  |

AVS07

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención | Area% | ID/library | CAS# |  |  |
| 11.982 | 5.63 | Benzene, (1-methyldecyl) | 004536-88-3 |  |  |
| 13.107 | 4.17 | Benzene, (1-methylundecyl) | 002719-61-1 |  |  |
| 15.537 | 34.82 | Caulophylline | 000486-86-2 | Alcaloide de quinolizidina | Euchresta horsfieldii, ormosia emarginata |

AVS08 sin integracion

**Tratamientos hidropónicos:**

**Control:**

**CTS2- Control Semana 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo retención | Área % | Nombre compuesto | CAS# |  |  |
| 10,791 | 5,26 |  |  |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Benzoic acid, 2-(1-oxopropyl)- | 002360-45-4 |  |  |
| 11,576 | 1,04 |  |  |  |  |
|  |  | Tetrazole, 1-(4,5-dimethyl-2-nitrophenyl)- | 294874-74-1 |  |  |
|  |  | Aniline-o-sulfonic acid | 000088-21-1 |  |  |
|  |  | Benzenesulfonamide, N-ethyl-2-methyl- | 001077-56-1 |  |  |
| 17,693 | 0,89 |  |  |  |  |
|  |  | 5H-Tetrazol-5-amine | 1000273-02-0 |  |  |
|  |  | 1H-Tetrazol-5-amine | 004418-61-5 |  |  |
|  |  | Azetidine, 1,2-dimethyl- | 051764-32-0 |  |  |
| 17,807 | 1,15 |  |  |  |  |
|  |  | (Aminomethyl)cyclopropane | 002516-47-4 |  |  |
|  |  | 1-Trifluoroacetoxy-2-methylpentane | 155089-96-6 |  |  |
|  |  | Nitric acid, decyl ester | 002050-78-4 |  |  |
| 18,516 | 2,01 |  |  |  |  |
|  |  | 2-Isopropyl-5-methyl-1-heptanol | 091337-07-4 |  |  |
|  |  | Dodecyl nonyl ether | 1000406-37-5 |  |  |
|  |  | Tetradecane, 1-iodo- | 019218-94-1 |  |  |
| 18,686 | 11,27 |  |  |  |  |
|  |  | Triphenyl phosphate | 000115-86-6 | Ester de fosfato | Plastificante  Retardador de llama |
|  |  | Triphenyl phosphate | 000115-86-6 |  |  |
|  |  | Triphenyl phosphate | 000115-86-6 |  |  |
| 19,301 | 3,41 |  |  |  |  |
|  |  | Decane | 000124-18-5 |  |  |
|  |  | Undecane | 001120-21-4 |  |  |
|  |  | Carbonic acid, decyl vinyl ester | 1000383-25-7 |  |  |
| 19,480 | 0,78 |  |  |  |  |
|  |  | 3,4-Pyridinedicarboxylic anhydride | 004664-08-8 | Anhidrido de acido |  |
|  |  | 2-Aminobenzyl alcohol | 005344-90-1 |  |  |
|  |  | 4-Cyanobenzophenone | 001503-49-7 | benzofenona | Toxicidad aguda |
| 19,622 | 2,29 |  |  |  |  |
|  |  | Phthalic acid, monodecyl ester | 024539-60-4 |  |  |
|  |  | 2-(Heptyloxycarbonyl)benzoic acid | 024539-58-0 |  |  |
|  |  | Phthalic acid, monooctyl ester | 005393-19-1 |  |  |
| 19,754 | 16,58 |  |  |  |  |
|  |  | Phthalic acid, 2-ethylhexyl isohexyl ester | 1000308-98-5 |  |  |
|  |  | Phthalic acid, di(2-methylbutyl) ester | 1000322-82-5 |  |  |
|  |  | 2-(Heptyloxycarbonyl)benzoic acid | 024539-58-0 |  |  |
| 19,925 | 0,90 |  |  |  |  |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |  |  |
|  |  | Phthalic acid, dodecyl octyl ester | 1000308-91-7 |  |  |
|  |  | Di-n-octyl phthalate | 000117-84-0 |  |  |
| 19,962 | 1,87 |  |  |  |  |
|  |  | Didodecyl phthalate | 002432-90-8 |  |  |
|  |  | 2-((Pentan-2-yloxy)carbonyl)benzoic acid | 158703-44-7 |  |  |
|  |  | Phthalic acid, 2-methoxyethyl octyl ester | 1000315-80-4 |  |  |
| 20,066 | 13,14 |  |  |  |  |
|  |  | Didodecyl phthalate | 002432-90-8 |  |  |
|  |  | Phthalic acid, cylclohexylmethyl pentyl ester | 1000309-07-5 |  |  |
|  |  | Tetratetracontane | 007098-22-8 |  |  |
| 20,161 | 1,81 |  |  |  |  |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |  |  |
|  |  | Phthalic acid, heptyl oct-3-yl ester | 1000377-71-6 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester | 074746-55-7 |  |  |
| 20,350 | 2,30 |  |  |  |  |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |  |  |
|  |  | Phthalic acid, isohexyl 3-methylbutyl ester | 1000356-80-6 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, isodecyl octyl ester | 001330-96-7 |  |  |
| 20,388 | 5,11 |  |  |  |  |
|  |  | Phthalic acid, isohexyl 3-methylbutyl ester | 1000356-80-6 |  |  |
|  |  | Phthalic acid, 3,4-dimethylphenyl2-ethylhexyl ester | 1000315-70-7 |  |  |
|  |  | Phthalic acid, 3,5-dimethylphenyl2-ethylhexyl ester | 1000315-51-7 |  |  |
| 20,473 | 3,96 |  |  |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, isodecyl octyl ester | 001330-96-7 |  |  |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |  |  |
|  |  | Phthalic acid, isobutyl octadecylester | 1000309-06-1 |  |  |
| 20,501 | 8,77 |  |  |  |  |
|  |  | Phthalic acid, octyl 2-propylpentyl ester | 1000377-92-4 |  |  |
|  |  | Di-n-octyl phthalate | 000117-84-0 |  |  |
|  |  | Phthalic acid, octyl oct-3-yl este | 1000377-71-7 |  |  |
| 20,586 | 3,61 |  |  |  |  |
|  |  | Phthalic acid, 3,5-dimethylphenyl2-ethylhexyl ester | 1000315-51-7 |  |  |
|  |  | Phthalic acid, 7-bromoheptyl ethylester | 1000415-51-6 |  |  |
|  |  | 2-((4-Methylpentyloxy)carbonyl)benzoic acid | 848131-14-6 |  |  |
| 20,747 | 4,65 |  |  |  |  |
|  |  | Octocrylene | 006197-30-4 |  |  |
|  |  | 2-(4-Methoxyphenyl)-1,3-benzoxazole-5,6-dicarbonitrile | 1000388-97-5 |  |  |
|  |  | Quinoline-4-carboxamide, 2-phenyl-N-(3,4-difluorophenyl)- | 303133-50-8 |  |  |
| 20,804 | 3,72 |  |  |  |  |
|  |  | Tetradecane, 1-iodo- | 019218-94-1 |  |  |
|  |  | Dodecane, 1-iodo- | 004292-19-7 |  |  |
|  |  | Oxalic acid, decyl propyl ester | 1000309-26-3 |  |  |
| 21,210 | 0,77 |  |  |  |  |
|  |  | Hexahydropyridine, 1-methyl-4-[4,5-dihydroxyphenyl]- | 094427-47-1 |  |  |
|  |  | Cyclooctane | 000292-64-8 |  |  |
|  |  | 3-Octene, (E)- | 014919-01-8 |  |  |
| 21,541 | 2,38 |  |  |  |  |
|  |  | 10-Methylnonadecane | 056862-62-5 |  |  |
|  |  | Octadecane, 3-ethyl-5-(2-ethylbutyl)- | 055282-12-7 |  |  |
|  |  | 2-Methyltetracosane | 001560-78-7 |  |  |
| 22,392 | 1,55 |  |  |  |  |
|  |  | Stearic acid hydrazide | 004130-54-5 |  |  |
|  |  | Carbonic acid, octadecyl prop-1-en-2-yl ester | 1000383-11-5 |  |  |
|  |  | Carbonic acid, hexadecyl prop-1-en-2-yl ester | 1000382-90-3 |  |  |
| 34,467 | 0,76 |  |  |  |  |
|  |  | 1H-Pyrazole, 1-propyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)- | 1000319-70-1 |  |  |
|  |  | Chalcone | 000094-41-7 |  |  |
|  |  | ,gamma,-Cyano-3-methyl-5,10-dihydr | 1000213-00-8 |  |  |

CTS3- Control semana 3- sin integrar

CTS4- Control semana 4- sin integrar

CTS5- Control semana 5

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Área % | Nombre compuesto | CAS# |
| 11,840 | 0,87 |  |  |
|  |  | 2-Tridecanol | 001653-31-2 |
|  |  | 2-Tridecanol | 001653-31-2 |
|  |  | 2-Dodecanol | 010203-28-8 |
| 14,724 | 0,64 |  |  |
|  |  | 3-Hydroxy-2-pyridin-3-yl-propenal | 1000311-61-6 |
|  |  | Oxazolidine, 3-phenyl- | 020503-92-8 |
|  |  | 3-(3-Pyridyl)propenoic acid | 001126-74-5 |
| 16,823 | 0,65 |  |  |
|  |  | trans-2-Hexenyl 2-methylbutyrate | 1000433-23-8 |
|  |  | 2-Propenamide | 000079-06-1 |
|  |  | Pyrrolidine, 1-methyl- | 000120-94-5 |
| 17,684 | 1,63 |  |  |
|  |  | Carbonic acid, tetradecyl vinyl ester | 1000382-54-5 |
|  |  | Carbonic acid, tridecyl vinyl este | 1000382-54-7 |
|  |  | Octacosane | 000630-02-4 |
| 17,797 | 0,69 |  |  |
|  |  | Pyridine, 4-ethenyl- | 000100-43-6 |
|  |  | Diethylene glycol hexyl ether | 000112-59-4 |
|  |  | 1-Chloroundecane | 002473-03-2 |
| 18,506 | 4,75 |  |  |
|  |  | Hexacosane | 000630-01-3 |
|  |  | Octacosane | 000630-02-4 |
|  |  | Hexadecane | 000544-76-3 |
| 18,667 | 0,91 |  |  |
|  |  | 2-Aminobenzyl alcohol | 005344-90-1 |
|  |  | 2-Aminobenzyl alcohol | 005344-90-1 |
|  |  | 2-Aminobenzyl alcohol | 005344-90-1 |
| 19,301 | 6,90 |  |  |
|  |  | Octacosane | 000630-02-4 |
|  |  | Hexadecane | 000544-76-3 |
|  |  | Nonadecane | 000629-92-5 |
| 19,537 | 0,75 |  |  |
|  |  | Oxalic acid, octyl propyl ester | 1000309-26-1 |
|  |  | Octane, 1,1'-oxybis- | 000629-82-3 |
|  |  | Methoxyacetic acid, 3-tridecyl ester | 1000282-04-6 |
| 19,613 | 3,57 |  |  |
|  |  | Phthalic acid, octyl 2-propylpentyl ester | 1000377-92-4 |
|  |  | Phthalic acid, 3,5-dimethylphenyl2-ethylhexyl ester | 1000315-51-7 |
|  |  | Phthalic acid, 5-methoxy-3-methylpentyl octyl ester | 1000314-88-9 |
| 19,745 | 11,21 |  |  |
|  |  | Phthalic acid, 2-ethylhexyl isohexyl ester | 1000308-98-5 |
|  |  | 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester | 074746-55-7 |
|  |  | Phthalic acid, hex-3-yl isohexyl ester | 1000356-95-6 |
| 19,915 | 1,30 |  |  |
|  |  | Phthalic acid, 3,5-dimethylphenyl2-ethylhexyl ester | 1000315-51-7 |
|  |  | Phthalic acid, octyl 2-propylpentyl ester | 1000377-92-4 |
|  |  | Didodecyl phthalate | 002432-90-8 |
| 19,953 | 2,71 |  |  |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |
|  |  | 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester | 074746-55-7 |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |
| 20,057 | 20,30 |  |  |
|  |  | Hexadecane | 000544-76-3 |
|  |  | Methoxyacetic acid, 2-tetradecyl ester | 1000282-04-8 |
|  |  | Tridecane | 000629-50-5 |
| 20,152 | 1,73 |  |  |
|  |  | Di-n-octyl phthalate | 000117-84-0 |
|  |  | 1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester | 000085-69-8 |
|  |  | Didodecyl phthalate | 002432-90-8 |
| 20,369 | 8,13 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, isodecyl octyl ester | 001330-96-7 |
|  |  | Phthalic acid, hept-2-yl octyl ester | 1000356-97-5 |
|  |  | Phthalic acid, hept-3-yl octyl ester | 1000356-99-2 |
| 20,492 | 11,47 |  |  |
|  |  | Phthalic acid, octyl 2-propylpentyl ester | 1000377-92-4 |
|  |  | Phthalic acid, isohexyl 3-methylbutyl ester | 1000356-80-6 |
|  |  | Phthalic acid, 2-ethylcyclohexyl octyl ester | 1000315-35-9 |
| 20,738 | 2,34 |  |  |
|  |  | Octocrylene | 006197-30-4 |
|  |  | Quinoline-4-carboxamide, 2-phenyl-N-(3,4-difluorophenyl)- | 303133-50-8 |
|  |  | 4-Isothiazolecarboxamide, N,N-dimethyl-3,5-bis(methylthio)- | 004886-19-5 |
| 20,795 | 8,71 |  |  |
|  |  | Hexacosane | 000630-01-3 |
|  |  | Pentacosane | 000629-99-2 |
|  |  | Heptadecane, 9-octyl- | 007225-64-1 |
| 20,955 | 0,65 |  |  |
|  |  | Fumaric acid, 3-hexyl tridecyl ester | 1000348-61-2 |
|  |  | 14-Methyldotriacontane | 058349-84-1 |
|  |  | 3-(Prop-2-enoyloxy)dodecane | 1000245-66-6 |
| 21,192 | 0,64 |  |  |
|  |  | Pentanoic acid, decyl ester | 005454-12-6 |
|  |  | Cyclopropane, 1-(2-methylbutyl)-1-(1-methylpropyl)- | 064723-36-0 |
|  |  | 2-Isopropyl-5-methyl-1-heptanol | 091337-07-4 |
| 21,532 | 5,39 |  |  |
|  |  | 2-Methyltetracosane | 001560-78-7 |
|  |  | Dotriacontane, 1-iodo- | 1000406-32-4 |
|  |  | 3,5-Dimethyldodecane | 107770-99-0 |
| 21,891 | 0,89 |  |  |
|  |  | Methoxymethyl(triethyl)stannane | 1000298-95-7 |
|  |  | 2-Chloro-5-nitrothiophene-3-carboxylic acid | 1000460-11-4 |
|  |  | Stannane, tributylethyl- | 019411-60-0 |
| 22,383 | 2,48 |  |  |
|  |  | Dotriacontane, 1-iodo- | 1000406-32-4 |
|  |  | Hexacosane | 000630-01-3 |
|  |  | Sulfurous acid, butyl tridecyl ester | 1000309-18-0 |
| 23,366 | 0,68 |  |  |
|  |  | Carbonic acid, decyl nonyl ester | 1000383-15-8 |
|  |  | Sulfurous acid, 2-propyl tetradecyl ester | 1000309-12-5 |
|  |  | Sulfurous acid, pentadecyl 2-propyl ester | 1000309-12-6 |

CTS6- Control semana 6

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Área % | Nombre compuesto | CAS# |
| 4,134 | 7,93 |  |  |
|  |  | Piperidine, 1,1'-dithiobis- | 010220-20-9 |
|  |  | Cyclobutaneethanol, ,beta,-methylene- | 116203-80-6 |
|  |  | Ethyl 2-ethylbutyl carbonate | 1000373-79-7 |
| 18,516 | 5,06 |  |  |
|  |  | Octane, 2,3,3-trimethyl- | 062016-30-2 |
|  |  | Hexane, 2,3,4-trimethyl- | 000921-47-1 |
|  |  | Octane, 3,4,5,6-tetramethyl- | 062185-21-1 |
| 19,301 | 8,24 |  |  |
|  |  | Undecane | 001120-21-4 |
|  |  | Carbonic acid, nonyl vinyl ester | 1000383-25-6 |
|  |  | Dodecane, 2,6,10-trimethyl- | 003891-98-3 |
| 19,745 | 47,54 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester | 074746-55-7 |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |
|  |  | Phthalic acid, 2-ethylhexyl isohexyl ester | 1000308-98-5 |
| 20,057 | 15,74 |  |  |
|  |  | 1-Octanol, 2-butyl- | 003913-02-8 |
|  |  | Carbonic acid, octadecyl prop-1-en-2-yl ester | 1000383-11-5 |
|  |  | Methoxyacetic acid, tridecyl ester | 1000281-82-0 |
| 20,738 | 4,50 |  |  |
|  |  | 4-Isothiazolecarboxamide, N-ethyl-3,5-bis(methylthio)- | 037572-35-3 |
|  |  | Nitrobenzene, 3-(2-cyano-2-phenylethenyl) | 006720-37-2 |
|  |  | Acetic acid, trifluoro-, 3-methylphenyl ester | 001736-09-0 |
| 20,804 | 7,91 |  |  |
|  |  | 1-Hexanol, 5-methyl-2-(1-methylethyl)- | 002051-33-4 |
|  |  | Disulfide, di-tert-dodecyl | 027458-90-8 |
|  |  | Methoxyacetic acid, tridecyl ester | 1000281-82-0 |
| 21,542 | 3,09 |  |  |
|  |  | Hexadecane, 2,6,10,14-tetramethyl- | 000638-36-8 |
|  |  | 3-Ethyl-3-methylheptane | 017302-01-1 |
|  |  | Octane, 2-methyl- | 003221-61-2 |

CTSFL- Control semana final – no integrado

Tratamiento T1

T1S1- Semana 1

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 10.790 | 4.08 | Diethyl Phthalate | 000084-66-2 |
| 14.677 | 3.15 | Octane, 1,1'-oxybis- | 000629-82-3 |
| 14.724 | 1.95 | Dibutyl phthalate | 000084-74-2 |
| 16.624 | 2.31 | 2-Propenoic acid, 3-(4-methoxyphenyl)-, 2-ethylhexyl ester | 005466-77-3 |
| 16.813 | 17.57 | Phenol, 4,4'-(1-methylethylidene)bis | 000080-05-7 |
| 17.958 | 1.96 | 2-Propenoic acid, 3-(4-methoxyphenyl)-, 2-ethylhexyl ester | 005466-77-3 |

T1S2- semana 2

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 13.410 | 74.44 | Tetrachloroisophthalonitrile | 001897-45-6 |
| 16.625 | 1.21 | 2-Propenoic acid, 3-(4-methoxyphenyl)-, 2-ethylhexyl ester | 005466-77-3 |
| 16.814 | 2.54 | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |
| 17.948 | 1.61 | 2-Ethylhexyl trans-4-methoxycinnamate | 083834-59-7 |
| 18.667 | 0.44 |  |  |
| 19.745 | 2.90 | Phthalic acid, 2-ethylhexyl isohexyl ester | 1000308-98-5 |
| 20.747 | 1.82 | Octocrylene | 006197-30-4 |

T1S3- Semana 3

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 19.461 | 1.29 |  |  |
| 19.745 | 9.96 | Bis(2-ethylhexyl) phthalate | 000117-81-7 |
| 20.152 | 1.25 | Carbonic acid, octadecyl phenyl ester | 1000314-58-1 |
| 20.794 | 4.74 | Methoxyacetic acid, 3-tetradecyl ester | 1000282-04-9 |
| 22.383 | 17.55 | Tetratetracontane | 007098-22-8 |

T1S4- No cuantificado

T1S5- No cuantificado

T1S6- Semana 6

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | CAS# |
| 14.677 | 0.36 | Oxalic acid, allyl octyl ester | 1000309-23-6 |
| 19.754 | 87.38 | 1,2-Benzenedicarboxylic acid, bis | 074746-55-7 |

T1S7- No integrado

**Tratamiento T2:**

**T2S1- semana 1**

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 10.791 | 11.34 | Phthalic acid, 2-ethoxyethyl ethylester | 1000322-86-9 |
| 19.745 | 27.79 | Bis(2-ethylhexyl) phthalate | 000117-81-7 |

T2S2- semana 2

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 19.745 | 45.31 | Phthalic acid, di(oct-3-yl) ester | 1000377-72-3 |

T2S3: Semana 3

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 19.745 | 90.56 | 1,2-Benzenedicarboxylic acid, bis 2-ethylhexyl) ester | 074746-55-7 |

T2S4: Semana 4- no cuantificable

T2S5- Semana 5

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 10.791 | 16.14 | Phthalic acid, 2-ethoxyethyl ethylester l 2-ethylhexyl ester | 1000322-86-9 |
| 19.754 | 14.29 | Bis(2-ethylhexyl) phthalate | 000117-81-7 |

T2S6- Semana 6- no cuantificada

T2S7- No integrada

Tratamiento T3:

T3S1- Semana 1

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 10.791 | 9.72 | Diethyl Phthalate | 000084-66-2 |
| 19.745 | 89.72 | 1,2-Benzenedicarboxylic acid, bis 2-ethylhexyl) ester | 074746-55-7 |

T3S2- Semana 2

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 7.169 | 16.36 | Phthalic anhydride | 000085-44-9 |
| 10.791 | 60.72 | Diethyl Phthalate | 000084-66-2 |

T3S3- Semana 3- No cuantificado

T3S4- Semana 4

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 19.754 | 50.76 | Phthalic acid, di(oct-3-yl) ester |  |

T3S5- Semana 5- No cuantificado

T3S6- Semana 6

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 10.791 | 3.65 | Diethyl Phthalate | 000084-66-2 |
| 16.861 | 7.27 | Phenol, 4,4'-(1-methylethylidene)bis | 000080-05-7 |
| 19.168 | 4.99 | Carbonic acid, dodecyl phenyl ester | 1000314-57-6 |
| 19.206 | 5.00 | Fumaric acid, cyclohex-3-enylmethyl tetradecyl ester | 1000345-14-9 |
| 19.300 | 5.82 | Carbonic acid, hexadecyl phenyl ester | 1000314-58-0 |
| 19.452 | 5.73 | Carbonic acid, hexadecyl phenyl ester | 1000314-58-0 |
| 19.745 | 11.10 | Phthalic acid, 2-ethylhexyl isohexyl ester | 1000308-98-5 |
| 19.943 | 7.14 | Carbonic acid, phenyl tetradecyl ester | 1000314-57-8 |

T3S7- Semana final

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area | Nombre compuesto | #CAS |
| 16.880 | 5.23 | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |
| 16.899 | 3.86 | Phenol, 4,4'-(1-methylethylidene)b |  |

**Sedimentos cultivos Terrestres:**

**CT- Sedimento control**

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area% | Nombre ompuesto | CAS# |
| 7,652 | 1,19 |  |  |
|  |  | Butyric acid, dodecyl ester | 003724-61-6 |
|  |  | Oxirane, pentyl- | 005063-65-0 |
|  |  | Propanoic acid, 2-methyl-, 2-methylpropyl ester | 000097-85-8 |
| 7,926 | 1,54 |  |  |
|  |  | Propanoic acid, 2-methyl-, 3-hydroxy-2,2,4-trimethylpentyl ester | 000077-68-9 |
|  |  | Butanoic acid, butyl ester | 000109-21-7 |
|  |  | Propanoic acid, 2-methyl-, 2-ethyl-3-hydroxyhexyl ester | 074367-31-0 |
| 10,791 | 3,34 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |
|  |  | Diethyl Phthalate | 000084-66-2 |
|  |  | Diethyl Phthalate | 000084-66-2 |
| 13,164 | 2,34 |  |  |
|  |  | 2-Ethylhexyl salicylate | 000118-60-5 |
|  |  | 2-Ethylhexyl salicylate | 000118-60-5 |
|  |  | Salicylic acid, 1-methylpropyl ether, 1-methylpropyl ester | 1000375-43-1 |
| 13,495 | 1,24 |  |  |
|  |  | 2-Pentadecanone, 6,10,14-trimethyl | 000502-69-2 |
|  |  | Carbonic acid, prop-1-en-2-yl tetradecyl ester | 1000382-90-9 |
|  |  | Carbonic acid, heptadecyl prop-1-en-2-yl ester | 1000382-90-2 |
| 13,788 | 4,64 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester | 000084-69-5 |
|  |  | 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester | 000084-69-5 |
|  |  | Phthalic acid, 7-bromoheptyl isobutyl ester | 1000415-51-7 |
| 13,873 | 1,20 |  |  |
|  |  | n-Heptadecanol-1 | 001454-85-9 |
|  |  | n-Nonadecanol-1 | 001454-84-8 |
|  |  | Cyclohexadecane | 000295-65-8 |
| 14,034 | 2,25 |  |  |
|  |  | Homosalate | 000118-56-9 |
|  |  | Homosalate | 000118-56-9 |
|  |  | Homosalate | 000118-56-9 |
| 14,752 | 16,26 |  |  |
|  |  | Dibutyl phthalate | 000084-74-2 |
|  |  | Dibutyl phthalate | 000084-74-2 |
|  |  | 1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester | 000085-69-8 |
| 15,830 | 2,14 |  |  |
|  |  | Fluoranthene | 000206-44-0 |
|  |  | Benzene, 1,1'-(1,3-butadiyne-1,4-diyl)bis- | 000886-66-8 |
|  |  | Pyrene | 000129-00-0 |
| 15,934 | 1,41 |  |  |
|  |  | Heptadecane, 2,6,10,15-tetramethyl | 054833-48-6 |
|  |  | Heneicosane | 000629-94-7 |
|  |  | Heneicosane | 000629-94-7 |
| 16,833 | 1,89 |  |  |
|  |  | Octadecane | 000593-45-3 |
|  |  | Docosane | 000629-97-0 |
|  |  | Octacosane | 000630-02-4 |
| 17,693 | 2,86 |  |  |
|  |  | Heptadecane | 000629-78-7 |
|  |  | Hexacosane | 000630-01-3 |
|  |  | Tridecane, 7-hexyl- | 007225-66-3 |
| 18,232 | 1,81 |  |  |
|  |  | Methyl dehydroabietate | 001235-74-1 |
|  |  | Methyl dehydroabietate | 001235-74-1 |
|  |  | Methyl dehydroabietate | 001235-74-1 |
| 18,516 | 2,95 |  |  |
|  |  | Tetracosane | 000646-31-1 |
|  |  | Tetracosane | 000646-31-1 |
|  |  | Heptadecane | 000629-78-7 |
| 19,310 | 5,02 |  |  |
|  |  | Hexadecane | 000544-76-3 |
|  |  | Hexadecane | 000544-76-3 |
|  |  | Hexadecane | 000544-76-3 |
| 19,764 | 11,41 |  |  |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |
|  |  | 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester | 074746-55-7 |
|  |  | Phthalic acid, di(oct-3-yl) ester | 1000377-72-3 |
| 20,066 | 1,81 |  |  |
|  |  | Heptadecane | 000629-78-7 |
|  |  | Tetradecane, 1-iodo- | 019218-94-1 |
|  |  | Hexacosane | 000630-01-3 |
| 20,255 | 10,76 |  |  |
|  |  | ,lambda,-Cyhalothrin | 091465-08-6 |
|  |  | Cyclopropanecarboxylic acid, 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester | 068085-85-8 |
|  |  | ,lambda,-Cyhalothrin | 091465-08-6 |
| 20,747 | 1,75 |  |  |
|  |  | Octocrylene | 006197-30-4 |
|  |  | Octocrylene | 006197-30-4 |
|  |  | Phosphine, methyl-(2,4,6-triisopropylphenyl)- | 158748-69-7 |
| 20,804 | 4,76 |  |  |
|  |  | Heneicosane, 11-pentyl- | 014739-72-1 |
|  |  | Heptadecane | 000629-78-7 |
|  |  | Heptadecane, 9-octyl- | 007225-64-1 |
| 21,834 | 2,73 |  |  |
|  |  | Squalene | 000111-02-4 |
|  |  | Squalene | 000111-02-4 |
|  |  | 2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl- | 004602-84-0 |
| 21,929 | 6,31 |  |  |
|  |  | Didecan-2-yl phthalate | 028029-89-2 |
|  |  | Phthalic acid, di(6-methylhept-2-yl) ester | 1000377-97-3 |
|  |  | Diisodecyl phthalate | 000089-16-7 |
| 22,392 | 4,57 |  |  |
|  |  | Heneicosane | 000629-94-7 |
|  |  | Heptadecane | 000629-78-7 |
|  |  | Nonadecane | 000629-92-5 |
| 24,577 | 3,81 |  |  |
|  |  | Docosane, 7-hexyl- | 055373-86-9 |

**TT1 SEDIMENTO**

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Área % | ID/Library | CAS# |
| 9.760 | 1.17 | 2,4-Di-tert-butylphenol | 000096-76-4 |
| 12.928 | 1.01 | Benzonitrile, pentachloro | 020925-85-3 |
| 13.486 | 42.83 | Tetrachloroisophthalonitrile | 001897-45-6 |
| 14.025 | 0.93 | Homosalate | 000118-56-9 |
| 15.831 | 1.11 | Fluoranthene | 000206-44-0 |
| 16.833 | 1.15 | Docosane | 000629-97-0 |
| 17.684 | 1.98 | Nonadecane | 000629-92-5 |
| 18.232 | 1.27 | Methyl dehydroabietate | 001235-74-1 |
| 18.516 | 1.72 | Tetracosane | 000646-31-1 |
| 19.310 | 3.43 | Pentacosane | 000629-99-2 |
| 20.067 | 1.79 | Heneicosane | 000629-94-7 |
| 20.265 | 9.70 | lambda.-Cyhalothrin | 091465-08-6 |
| 20.804 | 3.09 | 2-Methyltetracosane | 001560-78-7 |
| 21.542 | 1.11 | Octacosane | 000630-02-4 |
| 21.882 | 1.18 | 2-Octadecyl-propane-1,3-diol | 005337-61-1 |
| 22.392 | 3.62 | Heneicosane, 11-pentyl | 014739-72-1 |
| 23.385 | 1.11 | 1-Nonadecene | 018435-45-5 |
| 24.577 | 3.24 | Hentriacontane | 000630-04-6 |
| 26.023 | 1.16 | Octadecane | 000593-45-3 |
| 27.791 | 1.23 | Hexacosane | 000630-01-3 |
| 28.529 | 0.86 | .beta.-Sitosterol | 000083-46-5 |

**T2 Sedimento**

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Area% | Nombre compuesto | CAS# |
| 10,658 | 1,28 | 5-Octadecene, (E)- | 007206-21-5 |
| 12,918 | 1,29 | 1-Nonadecene | 018435-45-5 |
| 13,164 | 1,51 | 2-Ethylhexyl salicylate | 000118-60-5 |
| 14,024 | 1,58 | Homosalate | 000118-56-9 |
| 14,942 | 1,27 | 3-Eicosene, (E)- | 074685-33-9 |
| 15,840 | 1,81 | Fluoranthene | 000206-44-0 |
| 15,934 | 1,05 | Heneicosane | 000629-94-7 |
| 17,438 | 1,10 | Tributyl acetylcitrate | 000077-90-7 |
| 17,684 | 1,82 | Heptacosane, 1-chloro- | 062016-79-9 |
| 18,506 | 1,66 | Heptadecane | 000629-78-7 |
| 19,300 | 2,17 | 3-Eicosene, (E)- | 074685-33-9 |
| 20,057 | 1,87 | Hexadecane, 1-chloro- | 004860-03-1 |
| 20,246 | 23,46 | ,lambda,-Cyhalothrin | 091465-08-6 |
| 20,747 | 2,05 | Octocrylene | 006197-30-4 |
| 20,794 | 1,61 | Tritetracontane | 007098-21-7 |
| 21,834 | 4,93 | Squalene | 000111-02-4 |
| 22,383 | 1,68 | Nonadecane | 000629-92-5 |

**T3 Sedimento:**

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Área% | Nombre Compuesto | CAS# |
| 7,916 | 1,65 | Butanoic acid, butyl ester | 000109-21-7 |
| 9,760 | 3,43 | 2,4-Di-tert-butylphenol | 000096-76-4 |
| 10,658 | 1,31 | Cetene | 000629-73-2 |
| 12,984 | 1,28 | Phenanthrene | 000085-01-8 |
| 13,164 | 2,34 | 2-Ethylhexyl salicylate | 000118-60-5 |
| 14,024 | 2,30 | Homosalate | 000118-56-9 |
| 15,830 | 2,26 | Fluoranthene | 000206-44-0 |
| 15,934 | 1,65 | Heneicosane | 000629-94-7 |
| 16,833 | 2,32 | Heptadecane | 000629-78-7 |
| 17,438 | 1,23 | Butyl citrate | 000077-94-1 |
| 17,684 | 3,87 | Heptadecane | 000629-78-7 |
| 18,232 | 3,06 | Methyl dehydroabietate | 001235-74-1 |
| 18,506 | 3,10 | Tetracosane | 000646-31-1 |
| 19,300 | 4,98 | Hexadecane | 000544-76-3 |
| 19,754 | 13,02 | 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester | 074746-55-7 |
| 20,066 | 2,10 | Heneicosane | 000629-94-7 |
| 20,255 | 17,13 | ,lambda,-Cyhalothrin | 091465-08-6 |
| 20,747 | 1,28 | Octocrylene | 006197-30-4 |
| 20,804 | 2,26 | Octadecane | 000593-45-3 |
| 22,383 | 2,05 | Heptadecane | 000629-78-7 |
| 31,403 | 1,27 | Stigmast-4-en-3-one | 001058-61-3 |

**Materia Vegetal:**

**CT- Control Planta**

T1 planta

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | ‘Area% | ID/Library | CAS# |
| 12.105 | 2.11 | Tetradecanal | 000124-25-4 |
| 13.164 | 1.36 | 2-Ethylhexyl salicylate | 000118-60-5 |
| 13.429 | 8.23 | Neophytadiene | 000504-96-1 |
| 13.495 | 1.59 | 2-Pentadecanone, 6,10,14-trimethyl | 000502-69-2 |
| 15.934 | 1.70 | Heneicosane | 000629-94-7 |
| 16.880 | 2.34 | Phenol, 4,4'-(1-methylethylidene)bis | 000080-05-7 |
| 17.693 | 1.54 | Hentriacontane | 000630-04-6 |
| 18.223 | 1.90 | 4,8,12,16-Tetramethylheptadecan-4-olide | 096168-15-9 |
| 18.317 | 1.87 | 5.beta.-Androst-7-ene-6,17-dione2.beta.,3.beta.,14-trihydroxy-, cyclic 2,3-acetal with acetone | 019896-54-9 |
| 19.300 | 1.79 | Eicosane, 7-hexyl | 055333-99-8 |
| 20.757 | 4.45 | Octocrylene | 006197-30-4 |
| 20.804 | 1.67 | Hexadecane | 000544-76-3 |
| 28.510 | 14.57 | beta.-Sitosterol | 000083-46-5 |

**T2 Planta**

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Área % | Nombre compuesto |  |
| 12,105 | 2,29 | E-2-Tetradecen-1-ol | 1000130-83-7 |
| 13,164 | 1,23 | 2-Ethylhexyl salicylate | 000118-60-5 |
| 13,419 | 7,87 | Neophytadiene | 000504-96-1 |
| 13,674 | 1,55 | Neophytadiene | 000504-96-1 |
| 13,864 | 3,18 | Citronellyl isobutyrate | 000097-89-2 |
| 14,299 | 1,00 | Tridecanoic acid, methyl ester | 001731-88-0 |
| 14,960 | 2,03 | Hexadecanoic acid, ethyl ester | 000628-97-7 |
| 15,934 | 0,87 | Methoxyacetic acid, 2-pentadecyl ester | 1000282-05-1 |
| 16,133 | 2,80 | Phytol | 000150-86-7 |
| 16,539 | 1,44 | Linoleic acid ethyl ester | 000544-35-4 |
| 16,596 | 2,47 | Bicyclo[6,1,0]non-1-ene | 002570-06-1 |
| 16,880 | 2,20 | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |
| 18,213 | 0,99 | 4,8,12,16-Tetramethylheptadecan-4-olide | 096168-15-9 |
| 20,747 | 3,33 | Octocrylene | 006197-30-4 |
| 21,844 | 2,08 | 1,5,9-Undecatriene, 2,6,10-trimethyl-, (Z)- | 062951-96-6 |
| 25,295 | 2,71 | Vitamin E | 000059-02-9 |
| 28,510 | 9,87 | ,beta,-Sitosterol | 000083-46-5 |

**T3 Planta**

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Área% | Nombre compuesto | CAS# |
| 12,918 | 1,44 | Cetene | 000629-73-2 |
| 13,164 | 0,87 | 2-Ethylhexyl salicylate | 000118-60-5 |
| 13,429 | 1,72 | Neophytadiene | 000504-96-1 |
| 14,941 | 1,48 | 3-Eicosene, (E)- | 074685-33-9 |
| 14,998 | 0,84 | Eicosane | 000112-95-8 |
| 15,934 | 1,86 | Heptadecane, 2,6,10,15-tetramethyl | 054833-48-6 |
| 16,133 | 0,65 | Phytol | 000150-86-7 |
| 16,549 | 1,00 | 1-Propene-1,2,3-tricarboxylic acid, tributyl ester | 007568-58-3 |
| 16,833 | 2,65 | Octacosane, 2-methyl- | 001560-98-1 |
| 17,447 | 11,96 | Butyl citrate | 000077-94-1 |
| 17,693 | 4,49 | Hexacosane | 000630-01-3 |
| 18,213 | 0,80 | 4,8,12,16-Tetramethylheptadecan-4-olide | 096168-15-9 |
| 18,516 | 2,77 | Tetracosane | 000646-31-1 |
| 19,310 | 8,33 | Eicosane | 000112-95-8 |
| 20,066 | 2,52 | Tetracosane | 000646-31-1 |
| 20,747 | 2,33 | Octocrylene | 006197-30-4 |
| 20,804 | 7,78 | Heptadecane | 000629-78-7 |
| 22,392 | 2,10 | Octadecane | 000593-45-3 |
| 26,089 | 29,80 | 8-Ethoxy-4,5-dihydro-1-[(4-isopropylphenyl)imino]-4,4-dimethyl-1H-[1,2]dithiolo[3,4-c]quinoline | 326174-54-3 |
| 28,302 | 3,10 | A'-Neogammacer-22(29)-ene | 001615-91-4 |
| 28,510 | 3,06 | ,beta,-Sitosterol | 000083-46-5 |

**Cultivos extras (T5 Y T6)**

T5- Hidropónico

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tiempo de retención | Área% | Nombre compuesto | CAS# |  |
| 5,118 | 0,47 | Ethanol, 2-(2-butoxyethoxy)- | 000112-34-5 |  |
| 6,971 | 2,05 | p-Isopropenylphenol | 004286-23-1 |  |
| 7,935 | 0,14 | Butanoic acid, butyl ester | 000109-21-7 |  |
| 17,022 | 28,28 | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |
| 18,591 | 0,29 | 4,4'-(1,3-Dimethylbutylidene)bisphenol | 006807-17-6 |  |
| 18,790 | 2,18 | Norcaradiene, 2,3,4,5-tetramethyl-7,7-diphenyl- | 1000157-27-0 |  |
| 19,622 | 13,45 | Phenol, 2,4-di(2-penten-4-yl)-6-methyl- | 017258-43-4 |  |
| 22,364 | 0,08 | Pregn-17(20)-en-16-one, (5,alpha,,17Z)- | 054548-12-8 |  |

**T5- planta**

|  |  |  |  |
| --- | --- | --- | --- |
| Tiempo de retención | Área | Nombre Compuesto | CAS# |
| 10,791 | 8,43 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |
|  |  | Diethyl Phthalate | 000084-66-2 |
|  |  | Diethyl Phthalate | 000084-66-2 |
| 12,096 | 0,84 |  |  |
|  |  | Oxirane, tetradecyl- | 007320-37-8 |
|  |  | Oxirane, tetradecyl- | 007320-37-8 |
|  |  | Tridecanal | 010486-19-8 |
| 13,164 | 0,60 |  |  |
|  |  | 2-Ethylhexyl salicylate | 000118-60-5 |
|  |  | Benzoic acid, 2-hydroxy-, 2-methyl | 051115-63-0 |
|  |  | Salicylic acid, 1-methylpropyl eth | 1000375-43-1 |
| 13,419 | 6,52 |  |  |
|  |  | Neophytadiene | 000504-96-1 |
|  |  | Bicyclo[3,1,1]heptane, 2,6,6-trime | 006876-13-7 |
|  |  | Bicyclo[3,1,1]heptane, 2,6,6-trime | 004795-86-2 |
| 13,485 | 0,69 |  |  |
|  |  | 2-Pentadecanone, 6,10,14-trimethyl | 000502-69-2 |
|  |  | 2-Pentadecanone, 6,10,14-trimethyl | 000502-69-2 |
|  |  | Carbonic acid, octadecyl prop-1-en | 1000383-11-5 |
| 13,675 | 1,25 |  |  |
|  |  | 3,7,11,15-Tetramethyl-2-hexadecen- | 102608-53-7 |
|  |  | 3-Eicosyne | 061886-66-6 |
|  |  | Neophytadiene | 000504-96-1 |
| 13,864 | 2,18 |  |  |
|  |  | Cyclohexanol, 1-ethynyl- | 000078-27-3 |
|  |  | Cyclohexanol, 1-ethynyl- | 000078-27-3 |
|  |  | Neophytadiene | 000504-96-1 |
| 14,734 | 1,13 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, buty | 000085-69-8 |
|  |  | Phthalic acid, butyl hexyl ester | 1000308-99-5 |
|  |  | Phthalic acid, isobutyl 6-methylhe | 1000377-95-7 |
| 14,961 | 0,91 |  |  |
|  |  | Hexadecanoic acid, ethyl ester | 000628-97-7 |
|  |  | Tetradecanoic acid, ethyl ester | 000124-06-1 |
|  |  | Dodecanoic acid, ethyl ester | 000106-33-2 |
| 16,133 | 3,79 |  |  |
|  |  | Phytol | 000150-86-7 |
|  |  | Phytol | 000150-86-7 |
|  |  | Phytol | 000150-86-7 |
| 16,596 | 1,04 |  |  |
|  |  | Bicyclo[3,2,0]heptane, 6-methylene | 003642-22-6 |
|  |  | 1,3-Cyclooctadiene | 001700-10-3 |
|  |  | 1,3-Cyclooctadiene, (Z,Z)- | 003806-59-5 |
| 16,833 | 40,31 |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)b | 000080-05-7 |
|  |  | Phenol, 4,4'-(1-methylethylidene)b | 000080-05-7 |
|  |  | Phenol, 4,4'-(1-methylethylidene)b | 000080-05-7 |
| 17,438 | 0,59 |  |  |
|  |  | Tributyl acetylcitrate | 000077-90-7 |
|  |  | Butyl citrate | 000077-94-1 |
|  |  | Tributyl acetylcitrate | 000077-90-7 |
| 17,684 | 0,63 |  |  |
|  |  | Methoxyacetic acid, 2-pentadecyl e | 1000282-05-1 |
|  |  | Tritetracontane | 007098-21-7 |
|  |  | Octadecane, 1-chloro- | 003386-33-2 |
| 18,213 | 1,17 |  |  |
|  |  | 4,8,12,16-Tetramethylheptadecan-4- | 096168-15-9 |
|  |  | Hexanoic acid, 4-hexadecyl ester | 1000282-83-8 |
|  |  | 2H-Pyran-2-one, tetrahydro-6-nonyl | 002721-22-4 |
| 18,317 | 0,88 |  |  |
|  |  | Butylphosphonic acid, 4-(2-phenylp | 1000323-09-1 |
|  |  | Butylphosphonic acid, di(4-isoprop | 1000322-97-6 |
|  |  | 5,beta,-Androst-7-ene-6,17-dione, | 019896-54-9 |
| 19,754 | 14,01 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, bis( | 074746-55-7 |
|  |  | Phthalic acid, di(2-propylpentyl) | 1000377-93-5 |
|  |  | Phthalic acid, 2-ethylhexyl isohex | 1000308-98-5 |
| 20,747 | 1,87 |  |  |
|  |  | Octocrylene | 006197-30-4 |
|  |  | Octocrylene | 006197-30-4 |
|  |  | 2,5-Dimethyl-7,7,8,8-tetracyano-p- | 001487-82-7 |
| 21,201 | 0,62 |  |  |
|  |  | 1,3-Benzenedicarboxylic acid, bis( | 000137-89-3 |
|  |  | 1,3-Benzenedicarboxylic acid, bis( | 000137-89-3 |
|  |  | 1,4-Benzenedicarboxylic acid, bis( | 006422-86-2 |
| 21,834 | 3,02 |  |  |
|  |  | Squalene | 000111-02-4 |
|  |  | Supraene | 007683-64-9 |
|  |  | 3,7,11-Tridecatrienenitrile, 4,8,1 | 006006-01-5 |
| 22,383 | 0,64 |  |  |
|  |  | Eicosane | 000112-95-8 |
|  |  | Nonadecane | 000629-92-5 |
|  |  | 13-Methylhentriacontane | 1000131-19-4 |
| 24,558 | 0,99 |  |  |
|  |  | Eicosane | 000112-95-8 |
|  |  | Eicosane | 000112-95-8 |
|  |  | Tetratetracontane | 007098-22-8 |
| 25,276 | 4,73 |  |  |
|  |  | Vitamin E | 000059-02-9 |
|  |  | Vitamin E | 000059-02-9 |
|  |  | Vitamin E | 000059-02-9 |
| 27,442 | 0,65 |  |  |
|  |  | N-Methyl-1-adamantaneacetamide | 031897-93-5 |
|  |  | Ethyl 5-(furan-2-yl)-1,2-oxazole-3 | 1000411-40-9 |
|  |  | Corydaldine | 000493-49-2 |
| 28,510 | 2,52 |  |  |
|  |  | ,beta,-Sitosterol | 000083-46-5 |
|  |  | 17-(1,5-Dimethylhexyl)-10,13-dimet | 1000210-86-9 |
|  |  | ,gamma,-Sitosterol | 000083-47-6 |

**T6- Hidropónico**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención | Area% | Nombre compuesto | CAS# |  |  |
| 5,146 | 0,05 |  |  |  |  |
|  |  | Ethanol, 1-(2-butoxyethoxy)- | 054446-78-5 |  |  |
|  |  | Ethanol, 2-(2-butoxyethoxy)- | 000112-34-5 |  |  |
|  |  | Ethanol, 2-(2-butoxyethoxy)- | 000112-34-5 |  |  |
| 6,980 | 2,47 |  |  |  |  |
|  |  | p-Isopropenylphenol | 004286-23-1 |  |  |
|  |  | Benzene, 1,2,3,4-tetramethyl- | 000488-23-3 |  |  |
|  |  | Benzene, 1,2,3,5-tetramethyl- | 000527-53-7 |  |  |
| 7,661 | 0,05 |  |  |  |  |
|  |  | Butanoic acid, 1-methylpropyl este | 000819-97-6 |  |  |
|  |  | Butanoic acid, 2-methylpropyl este | 000539-90-2 |  |  |
|  |  | 5-Nonanol, 2-methylpropionate | 1000463-47-6 |  |  |
| 7,935 | 0,16 |  |  |  |  |
|  |  | Propanoic acid, 2-methyl-, 3-hydroxy-2,2,4-trimethylpentyl ester | 000077-68-9 |  |  |
|  |  | Propanoic acid, 2-methyl-, 2-ethyl-3-hydroxyhexyl ester | 074367-31-0 |  |  |
|  |  | Propanoic acid, 2-methyl-, 3-hydroxy-2,2,4-trimethylpentyl ester | 000077-68-9 |  |  |
| 10,989 | 40,92 |  |  |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
| 11,103 | 0,09 |  |  |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
| 11,396 | 0,08 |  |  |  |  |
|  |  | Octadecanoic acid, 3-hydroxy-, methyl ester | 002420-36-2 |  |  |
|  |  | Methyl 3-hydroxytetradecanoate | 055682-83-2 |  |  |
|  |  | Acetamide, N-tetrahydrofurfuryl-2-phenyl- | 1000307-14-0 |  |  |
| 11,509 | 0,03 |  |  |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Cyclopentaneacetic acid, 3-oxo-2-pentyl-, methyl ester | 024851-98-7 |  |  |
| 11,613 | 0,04 |  |  |  |  |
|  |  | Methyl 3-hydroxytetradecanoate | 055682-83-2 |  |  |
|  |  | 4-Nitro-2-pyridinecarbonitrile | 019235-88-2 |  |  |
|  |  | Benzene, 1-ethenyl-3-nitro- | 000586-39-0 |  |  |
| 11,982 | 0,03 |  |  |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
| 12,162 | 0,03 |  |  |  |  |
|  |  | 1H-Indole-3-thiol | 000480-94-4 |  |  |
|  |  | Benzene, 1-isothiocyanato-2-methyl | 000614-69-7 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
| 13,429 | 0,04 |  |  |  |  |
|  |  | Bicyclo[3,1,1]heptane-2-carboxaldehyde, 6,6-dimethyl- | 004764-14-1 |  |  |
|  |  | Bicyclo[3,1,1]heptane, 2,6,6-trimethyl- | 000473-55-2 |  |  |
|  |  | Neophytadiene | 000504-96-1 |  |  |
| 13,807 | 0,24 |  |  |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester | 000084-69-5 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester | 000084-69-5 |  |  |
|  |  | Phthalic acid, isobutyl octyl este | 1000309-04-5 |  |  |
| 14,753 | 1,05 |  |  |  |  |
|  |  | Dibutyl phthalate | 000084-74-2 |  |  |
|  |  | Dibutyl phthalate | 000084-74-2 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, butyl 2-ethylhexyl ester | 000085-69-8 |  |  |
| 15,594 | 0,04 |  |  |  |  |
|  |  | Phenol, 2,4'-isopropylidenedi- | 000837-08-1 |  | Derivado bpa |
|  |  | 3,4'-Isopropylidenediphenol | 046765-25-7 |  |  |
|  |  | Phenol, 2,4'-isopropylidenedi- | 000837-08-1 |  |  |
| 16,388 | 0,03 |  |  |  |  |
|  |  | Isophthalic acid, 2-chloro-5-methylphenyl decyl ester | 1000356-57-2 |  |  |
|  |  | Terephthalic acid, but-2-enyl decyl ester | 1000356-31-8 |  |  |
|  |  | Isophthalic acid, 4-cyanophenyl decyl ester | 1000344-49-5 |  |  |
| 17,060 | 43,57 |  |  |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
| 17,759 | 0,09 |  |  |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
| 18,109 | 0,12 |  |  |  |  |
|  |  | 4,4'-(1,3-Dimethylbutylidene)bisphenol | 006807-17-6 |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
|  |  | Bisphenol B, 2-methylpropionate | 1000462-14-8 |  |  |
| 18,346 | 3,00 |  |  |  |  |
|  |  | Dehydroabietic acid | 001740-19-8 |  |  |
|  |  | 3-Methylseleno-2-(1,3-dioxolan-2-yl)benzo[b]thiophene | 071740-02-8 |  |  |
|  |  | 1-Cyclohexyldimethylsilyloxypentadecane | 1000281-96-6 |  |  |
| 18,431 | 0,50 |  |  |  |  |
|  |  | Butylphosphonic acid, 4-(2-phenylprop-2-yl)phenyl propyl ester | 1000323-09-1 |  |  |
|  |  | Gallacetophenone-4'-methylether, bis(trifluoroacetate) | 1000462-95-4 |  |  |
|  |  | 8-Hydroxyquinoline-2-carboxamide,bis(tert-butyldimethylsilyl) deriv | 1000463-62-7 |  |  |
| 18,960 | 0,06 |  |  |  |  |
|  |  | Norcaradiene, 2,3,4,5-tetramethyl-7,7-diphenyl- | 1000157-27-0 |  |  |
|  |  | 5-tert-Butyl-2,4-dihydroxybenzophenone | 004211-67-0 |  |  |
|  |  | 5-tert-Butyl-2,2'-dimethoxy-biphenyl | 1000318-04-7 |  |  |
| 19,253 | 7,12 |  |  |  |  |
|  |  | 2,6-Bis(2-hydroxy-2-propyl)naphthalene | 024157-82-2 |  |  |
|  |  | Benzocyclopentene, 4,5,6,7-tetraethyl-1-methyl- | 1000156-41-4 |  |  |
|  |  | 5-Amino-2-(1-methylethyl]-1-pentyl-1,2-dihydro-3H-pyrrole-3,3,4-tricarbonitrile | 1000326-95-8 |  |  |
| 19,839 | 0,12 |  |  |  |  |
|  |  | Benzamide, 2-(3-formyl-6-methoxybenzyloxy)- | 1000273-81-6 |  |  |
|  |  | Benzoic acid, 2-(3-ethoxybenzoylamino)- | 351424-10-7 |  |  |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |  |  |
| 21,853 | 0,04 |  |  |  |  |
|  |  | Norcaradiene, 2,3,4,5-tetramethyl-7,7-diphenyl- | 1000157-27-0 |  |  |
|  |  | 1-(3-Methyl-benzoyl)-3-(4-methyl-pyridin-2-yl)-thiourea | 1000295-05-0 |  |  |
|  |  | Silane, methylvinyl(2,4-dimethylpent-3-yloxy)nonyloxy- | 1000416-91-3 |  |  |

**T6- Planta**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tiempo de retención | Área% |  | CAS# |  |  |
| 10,800 | 15,34 |  |  |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 | ftalato | Plastificante, solventes, asirina |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
|  |  | Diethyl Phthalate | 000084-66-2 |  |  |
| 11,566 | 0,82 |  |  |  |  |
|  |  | 1H-Indene, 3-methyl- | 000767-60-2 |  |  |
|  |  | Indole, 3-methyl- | 000083-34-1 |  |  |
|  |  | 1-(3-Chloro-4-fluoro-phenyl)-3-(1,2,3,4-tetrahydro-naphthalen-1-yl)-thiourea | 1000275-41-9 |  |  |
| 12,096 | 0,46 |  |  |  | 1,89 cm |
|  |  | E-2-Tetradecen-1-ol | 1000130-83-7 | Alcohol graso | Ocurrencia en plantas |
|  |  | Tridecanal | 010486-19-8 | Aldehido graso | Ocurrencia en plantas |
|  |  | Carbonic acid, isobutyl undec-10-enyl ester | 1000314-60-8 |  |  |
| 13,164 | 0,30 |  |  |  |  |
|  |  | 2-Ethylhexyl salicylate | 000118-60-5 |  |  |
|  |  | 2-Ethylhexyl salicylate | 000118-60-5 |  |  |
|  |  | Benzoic acid, 2-hydroxy-, heptyl ester | 006259-77-4 |  |  |
| 13,419 | 2,10 |  |  |  |  |
|  |  | 2-Hexadecen-1-ol, 3,7,11,15-tetramethyl-, acetate, [R-[R\*,R\*-(E)]]- | 010236-16-5 |  |  |
|  |  | Bicyclo[3,1,1]heptane, 2,6,6-trimethyl- | 000473-55-2 |  |  |
|  |  | Bicyclo[3,1,1]heptane, 2,6,6-trimethyl-, (1,alpha,,2,beta,,5,alpha,) | 006876-13-7 |  |  |
| 13,495 | 0,35 |  |  |  |  |
|  |  | 2-Undecanone, 6,10-dimethyl- | 001604-34-8 | Cetona aciclica | Ocurrencia en plantas |
|  |  | Carbonic acid, prop-1-en-2-yl undecyl ester | 1000382-90-6 |  |  |
|  |  | Carbonic acid, prop-1-en-2-yl tetradecyl ester | 1000382-90-9 |  |  |
| 13,675 | 0,44 |  |  |  |  |
|  |  | 3,7,11,15-Tetramethyl-2-hexadecen-1-ol | 102608-53-7 |  |  |
|  |  | 9-Eicosyne | 071899-38-2 |  |  |
|  |  | Neophytadiene | 000504-96-1 |  |  |
| 13,864 | 0,85 |  |  |  |  |
|  |  | Cyclohexanol, 1-ethynyl- | 000078-27-3 |  |  |
|  |  | Cyclohexanol, 1-ethynyl- | 000078-27-3 |  |  |
|  |  | Neophytadiene | 000504-96-1 |  |  |
| 14,734 | 0,23 |  |  |  |  |
|  |  | Phthalic acid, 5-methylhex-2-yl propyl ester | 1000371-09-2 |  |  |
|  |  | Phthalic acid, 2,7-dimethyloct-7-en-5-yn-4-yl isobutyl ester | 1000315-49-7 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, butyl octyl ester | 000084-78-6 |  |  |
| 14,961 | 0,93 |  |  |  |  |
|  |  | Hexadecanoic acid, ethyl ester | 000628-97-7 |  |  |
|  |  | Hexadecanoic acid, ethyl ester | 000628-97-7 |  |  |
|  |  | Hexadecanoic acid, ethyl ester | 000628-97-7 |  |  |
| 15,925 | 0,28 |  |  |  |  |
|  |  | Tetratetracontane | 007098-22-8 |  |  |
|  |  | Tritetracontane | 007098-21-7 |  |  |
|  |  | Sulfurous acid, dodecyl 2-propyl ester | 1000309-12-3 |  |  |
| 16,114 | 1,71 |  |  |  |  |
|  |  | Phytol | 000150-86-7 |  |  |
|  |  | Phytol | 000150-86-7 |  |  |
|  |  | Phytol | 000150-86-7 |  |  |
| 16,530 | 1,03 |  |  |  |  |
|  |  | Linoleic acid ethyl ester | 000544-35-4 |  |  |
|  |  | Linoleic acid ethyl ester | 000544-35-4 |  |  |
|  |  | 9,12-Octadecadienoic acid, ethyl ester | 007619-08-1 |  |  |
| 16,596 | 0,85 |  |  |  |  |
|  |  | 9,12,15-Octadecatrien-1-ol, (Z,Z,Z)- | 000506-44-5 |  |  |
|  |  | Eicosatrienoic acid, 11(Z),14(Z),17(Z) | 017046-59-2 |  |  |
|  |  | 9,12,15-Octadecatrienoic acid, ethyl ester, (Z,Z,Z)- | 001191-41-9 |  |  |
| 16,861 | 46,22 |  |  |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
| 17,655 | 0,21 |  |  |  |  |
|  |  | 4,4'-(1,3-Dimethylbutylidene)bisphenol | 006807-17-6 | Derivado bpa | https://www.jbc.org/article/S0021-9258(21)00975-3/fulltext |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 |  |  |
|  |  | Phenol, 4,4'-(1-methylethylidene)bis- | 000080-05-7 | Bisfenol a |  |
| 18,317 | 0,46 |  |  |  |  |
|  |  | Butylphosphonic acid, 4-(2-phenylprop-2-yl)phenyl propyl ester | 1000323-09-1 |  |  |
|  |  | Silane, diethyl(2-methoxyethoxy)pentadecyloxy- | 1000363-54-4 |  |  |
|  |  | Beryllium, bis(3-phenyl-2,4-pentanedionato)- | 021264-49-3 |  |  |
| 19,764 | 22,77 |  |  |  |  |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |  |  |
|  |  | 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) ester | 074746-55-7 |  |  |
|  |  | Bis(2-ethylhexyl) phthalate | 000117-81-7 |  |  |
| 20,747 | 0,60 |  |  |  |  |
|  |  | Octocrylene | 006197-30-4 |  |  |
|  |  | Octocrylene | 006197-30-4 |  |  |
|  |  | 6-(3,4,5-Trimethoxyphenyl)-1,5-diazabicyclo[3,1,0]hexane | 1000443-58-0 |  |  |
| 21,835 | 1,05 |  |  |  |  |
|  |  | Squalene | 000111-02-4 |  |  |
|  |  | 1,5,9-Undecatriene, 2,6,10-trimethyl-, (Z)- | 062951-96-6 |  |  |
|  |  | Supraene | 007683-64-9 |  |  |
| 22,383 | 0,30 |  |  |  |  |
|  |  | Octadecane | 000593-45-3 |  |  |
|  |  | Octadecane | 000593-45-3 |  |  |
|  |  | Octadecane | 000593-45-3 |  |  |
| 24,567 | 0,62 |  |  |  |  |
|  |  | Eicosane | 000112-95-8 |  |  |
|  |  | Tetratetracontane | 007098-22-8 |  |  |
|  |  | Heptacosane, 1-chloro- | 062016-79-9 |  |  |
| 25,276 | 0,61 |  |  |  |  |
|  |  | Vitamin E | 000059-02-9 |  |  |
|  |  | dl-,alpha,-Tocopherol | 010191-41-0 |  |  |
|  |  | Vitamin E | 000059-02-9 |  |  |
| 27,432 | 0,44 |  |  |  |  |
|  |  | 4-Dehydroxy-N-(4,5-methylenedioxy-2-nitrobenzylidene)tyramine | 1000111-66-9 |  |  |
|  |  | Dodecahydropyrido[1,2-b]isoquinolin-6-one | 108873-36-5 |  |  |
|  |  | Indole-2-one, 2,3-dihydro-N-hydroxy-4-methoxy-3,3-dimethyl- | 1000129-52-1 |  |  |
| 28,520 | 1,02 |  |  |  |  |
|  |  | ,beta,-Sitosterol | 000083-46-5 |  |  |
|  |  | ,gamma,-Sitosterol | 000083-47-6 |  |  |
|  |  | ,beta,-Sitosterol | 000083-46-5 |  |  |