

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\  
 Data File : VD066894.D  
 Acq On : 26 Sep 2020 02:11  
 Operator : VA/SY  
 Sample : L4154-04  
 Misc : 5.01G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUP-1

Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
 Title : SW846 8260

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.967       | 505           | 518         | 531          | rBV3     | 27761          | 99077         | 3.24%           | 0.210%        |
| 2         | 5.997       | 685           | 693         | 700          | rBV4     | 10563          | 31380         | 1.03%           | 0.066%        |
| 3         | 7.191       | 887           | 896         | 905          | rBV2     | 51390          | 146647        | 4.80%           | 0.310%        |
| 4         | 7.914       | 1009          | 1019        | 1024         | rBV      | 352199         | 851630        | 27.88%          | 1.802%        |
| 5         | 7.979       | 1024          | 1030        | 1041         | rVB      | 679254         | 1497811       | 49.04%          | 3.169%        |
| 6         | 8.326       | 1072          | 1089        | 1100         | rBV2     | 302877         | 807164        | 26.43%          | 1.708%        |
| 7         | 8.861       | 1169          | 1180        | 1196         | rBV      | 968314         | 1925763       | 63.05%          | 4.075%        |
| 8         | 9.350       | 1249          | 1263        | 1270         | rBV5     | 35548          | 90510         | 2.96%           | 0.192%        |
| 9         | 9.973       | 1364          | 1369        | 1373         | rBV4     | 19448          | 38875         | 1.27%           | 0.082%        |
| 10        | 10.114      | 1381          | 1393        | 1396         | rBV6     | 21446          | 47172         | 1.54%           | 0.100%        |
| 11        | 10.338      | 1422          | 1431        | 1440         | rBV      | 1551625        | 2837640       | 92.91%          | 6.004%        |
| 12        | 10.514      | 1455          | 1461        | 1469         | rVB3     | 75544          | 150626        | 4.93%           | 0.319%        |
| 13        | 10.679      | 1483          | 1489        | 1492         | rBV3     | 33100          | 63064         | 2.06%           | 0.133%        |
| 14        | 10.720      | 1492          | 1496        | 1500         | rVV2     | 55984          | 104510        | 3.42%           | 0.221%        |
| 15        | 10.773      | 1501          | 1505        | 1511         | rVV5     | 31826          | 63535         | 2.08%           | 0.134%        |
| 16        | 10.867      | 1515          | 1521        | 1525         | rVB6     | 20498          | 40761         | 1.33%           | 0.086%        |
| 17        | 10.949      | 1530          | 1535        | 1540         | rVB3     | 40154          | 64372         | 2.11%           | 0.136%        |
| 18        | 11.049      | 1547          | 1552        | 1554         | rBV3     | 20664          | 34370         | 1.13%           | 0.073%        |
| 19        | 11.085      | 1554          | 1558        | 1561         | rVB2     | 30058          | 47725         | 1.56%           | 0.101%        |
| 20        | 11.191      | 1572          | 1576        | 1579         | rVB      | 53753          | 72129         | 2.36%           | 0.153%        |
| 21        | 11.244      | 1579          | 1585        | 1590         | rVB      | 118081         | 202870        | 6.64%           | 0.429%        |
| 22        | 11.349      | 1598          | 1603        | 1607         | rBV6     | 54729          | 91849         | 3.01%           | 0.194%        |
| 23        | 11.426      | 1608          | 1616        | 1628         | rVB6     | 126317         | 416865        | 13.65%          | 0.882%        |
| 24        | 11.526      | 1628          | 1633        | 1639         | rBV      | 108901         | 171558        | 5.62%           | 0.363%        |
| 25        | 11.644      | 1645          | 1653        | 1664         | rBV      | 1446831        | 2569156       | 84.12%          | 5.436%        |
| 26        | 11.744      | 1664          | 1670        | 1673         | rBV2     | 53586          | 93553         | 3.06%           | 0.198%        |
| 27        | 11.773      | 1673          | 1675        | 1679         | rVB4     | 34943          | 40651         | 1.33%           | 0.086%        |
| 28        | 11.855      | 1679          | 1689        | 1699         | rBV4     | 468847         | 1071386       | 35.08%          | 2.267%        |
| 29        | 11.991      | 1707          | 1712        | 1718         | rBV9     | 24830          | 56982         | 1.87%           | 0.121%        |
| 30        | 12.079      | 1723          | 1727        | 1731         | rVB2     | 32678          | 53318         | 1.75%           | 0.113%        |
| 31        | 12.149      | 1731          | 1739        | 1741         | rBV4     | 188143         | 339103        | 11.10%          | 0.717%        |
| 32        | 12.267      | 1754          | 1759        | 1764         | rVB      | 178904         | 271652        | 8.89%           | 0.575%        |
| 33        | 12.355      | 1764          | 1774        | 1775         | rBV4     | 171087         | 318527        | 10.43%          | 0.674%        |
| 34        | 12.379      | 1775          | 1778        | 1785         | rVB4     | 166875         | 365512        | 11.97%          | 0.773%        |

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 ClientSampleId :  
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 Sampling : 1  
 Start Thrs: 0.2  
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Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 12.473 | 1790 | 1794 | 1796 | rBV4 | 41018   | 65567   | 2.15%   | 0.139% |
| 36 | 12.555 | 1805 | 1808 | 1810 | rBV2 | 67471   | 75868   | 2.48%   | 0.161% |
| 37 | 12.579 | 1810 | 1812 | 1816 | rVB2 | 136547  | 164827  | 5.40%   | 0.349% |
| 38 | 12.632 | 1816 | 1821 | 1826 | rBV  | 1247229 | 2019013 | 66.11%  | 4.272% |
| 39 | 12.714 | 1831 | 1835 | 1840 | rBV6 | 46449   | 72641   | 2.38%   | 0.154% |
| 40 | 12.796 | 1844 | 1849 | 1856 | rVB3 | 274355  | 531284  | 17.39%  | 1.124% |
| 41 | 12.879 | 1856 | 1863 | 1867 | rBV5 | 245363  | 504676  | 16.52%  | 1.068% |
| 42 | 12.949 | 1867 | 1875 | 1883 | rBV2 | 1166600 | 2002667 | 65.57%  | 4.237% |
| 43 | 13.120 | 1896 | 1904 | 1911 | rVV4 | 184118  | 699855  | 22.91%  | 1.481% |
| 44 | 13.185 | 1911 | 1915 | 1922 | rVV2 | 484867  | 821821  | 26.91%  | 1.739% |
| 45 | 13.273 | 1925 | 1930 | 1934 | rVV  | 298762  | 535334  | 17.53%  | 1.133% |
| 46 | 13.314 | 1934 | 1937 | 1940 | rVV3 | 109053  | 159223  | 5.21%   | 0.337% |
| 47 | 13.361 | 1942 | 1945 | 1949 | rVV2 | 101893  | 166588  | 5.45%   | 0.352% |
| 48 | 13.402 | 1949 | 1952 | 1955 | rVV3 | 78119   | 94275   | 3.09%   | 0.199% |
| 49 | 13.461 | 1956 | 1962 | 1966 | rVV5 | 344029  | 671680  | 21.99%  | 1.421% |
| 50 | 13.508 | 1966 | 1970 | 1973 | rVV2 | 265048  | 409560  | 13.41%  | 0.867% |
| 51 | 13.538 | 1973 | 1975 | 1976 | rVV2 | 137289  | 131809  | 4.32%   | 0.279% |
| 52 | 13.579 | 1976 | 1982 | 1990 | rVB2 | 1637365 | 3054242 | 100.00% | 6.462% |
| 53 | 13.649 | 1990 | 1994 | 1999 | rVB4 | 192656  | 258907  | 8.48%   | 0.548% |
| 54 | 13.726 | 2001 | 2007 | 2010 | rBV7 | 133916  | 291924  | 9.56%   | 0.618% |
| 55 | 13.773 | 2011 | 2015 | 2018 | rVV2 | 221585  | 311784  | 10.21%  | 0.660% |
| 56 | 13.808 | 2018 | 2021 | 2030 | rVB2 | 265251  | 485335  | 15.89%  | 1.027% |
| 57 | 13.896 | 2030 | 2036 | 2041 | rBV  | 1477085 | 2214973 | 72.52%  | 4.686% |
| 58 | 13.967 | 2046 | 2048 | 2052 | rVB  | 105666  | 131993  | 4.32%   | 0.279% |
| 59 | 14.061 | 2057 | 2064 | 2069 | rVB4 | 234684  | 543793  | 17.80%  | 1.151% |
| 60 | 14.114 | 2069 | 2073 | 2078 | rVB  | 292656  | 444583  | 14.56%  | 0.941% |
| 61 | 14.161 | 2078 | 2081 | 2087 | rVB4 | 130326  | 207524  | 6.79%   | 0.439% |
| 62 | 14.226 | 2087 | 2092 | 2098 | rBV3 | 445780  | 744413  | 24.37%  | 1.575% |
| 63 | 14.285 | 2098 | 2102 | 2109 | rVB7 | 142473  | 336348  | 11.01%  | 0.712% |
| 64 | 14.367 | 2109 | 2116 | 2119 | rBV2 | 242015  | 534552  | 17.50%  | 1.131% |
| 65 | 14.414 | 2120 | 2124 | 2127 | rVB3 | 225064  | 318732  | 10.44%  | 0.674% |
| 66 | 14.526 | 2139 | 2143 | 2146 | rBV2 | 321872  | 430151  | 14.08%  | 0.910% |
| 67 | 14.567 | 2146 | 2150 | 2157 | rVB4 | 313647  | 520228  | 17.03%  | 1.101% |
| 68 | 14.626 | 2158 | 2160 | 2161 | rBV2 | 50754   | 43963   | 1.44%   | 0.093% |
| 69 | 14.714 | 2172 | 2175 | 2177 | rBV2 | 108772  | 138629  | 4.54%   | 0.293% |
| 70 | 14.755 | 2177 | 2182 | 2187 | rVB2 | 940445  | 1439461 | 47.13%  | 3.046% |
| 71 | 14.826 | 2188 | 2194 | 2199 | rBV3 | 550275  | 1390277 | 45.52%  | 2.942% |

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Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
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|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 72 | 14.873 | 2199 | 2202 | 2210 | rVB3 | 388534 | 726553  | 23.79% | 1.537% |
| 73 | 14.990 | 2218 | 2222 | 2228 | rVB4 | 220453 | 362428  | 11.87% | 0.767% |
| 74 | 15.096 | 2235 | 2240 | 2245 | rBV5 | 242088 | 449438  | 14.72% | 0.951% |
| 75 | 15.208 | 2253 | 2259 | 2268 | rBV4 | 264117 | 640048  | 20.96% | 1.354% |
| 76 | 15.290 | 2269 | 2273 | 2280 | rVB6 | 226651 | 471957  | 15.45% | 0.999% |
| 77 | 15.367 | 2281 | 2286 | 2295 | rBV3 | 417515 | 859698  | 28.15% | 1.819% |
| 78 | 15.461 | 2297 | 2302 | 2307 | rBV  | 165397 | 323692  | 10.60% | 0.685% |
| 79 | 15.514 | 2307 | 2311 | 2313 | rBV5 | 97279  | 157270  | 5.15%  | 0.333% |
| 80 | 15.602 | 2321 | 2326 | 2335 | rVB  | 669067 | 1227309 | 40.18% | 2.597% |
| 81 | 15.702 | 2336 | 2343 | 2349 | rBV5 | 172947 | 441000  | 14.44% | 0.933% |
| 82 | 15.779 | 2352 | 2356 | 2363 | rVB5 | 149384 | 279301  | 9.14%  | 0.591% |
| 83 | 15.914 | 2375 | 2379 | 2386 | rVB  | 228947 | 413714  | 13.55% | 0.875% |
| 84 | 16.079 | 2400 | 2407 | 2414 | rBV6 | 117881 | 324204  | 10.61% | 0.686% |
| 85 | 16.232 | 2424 | 2433 | 2439 | rBV4 | 213118 | 606062  | 19.84% | 1.282% |
| 86 | 16.355 | 2449 | 2454 | 2460 | rVB  | 133797 | 219854  | 7.20%  | 0.465% |
| 87 | 16.432 | 2462 | 2467 | 2473 | rVV4 | 159325 | 353914  | 11.59% | 0.749% |
| 88 | 16.502 | 2474 | 2479 | 2484 | rVV2 | 154148 | 310188  | 10.16% | 0.656% |
| 89 | 16.567 | 2484 | 2490 | 2496 | rVB2 | 263356 | 495280  | 16.22% | 1.048% |
| 90 | 16.702 | 2506 | 2513 | 2527 | rVB8 | 159285 | 555371  | 18.18% | 1.175% |

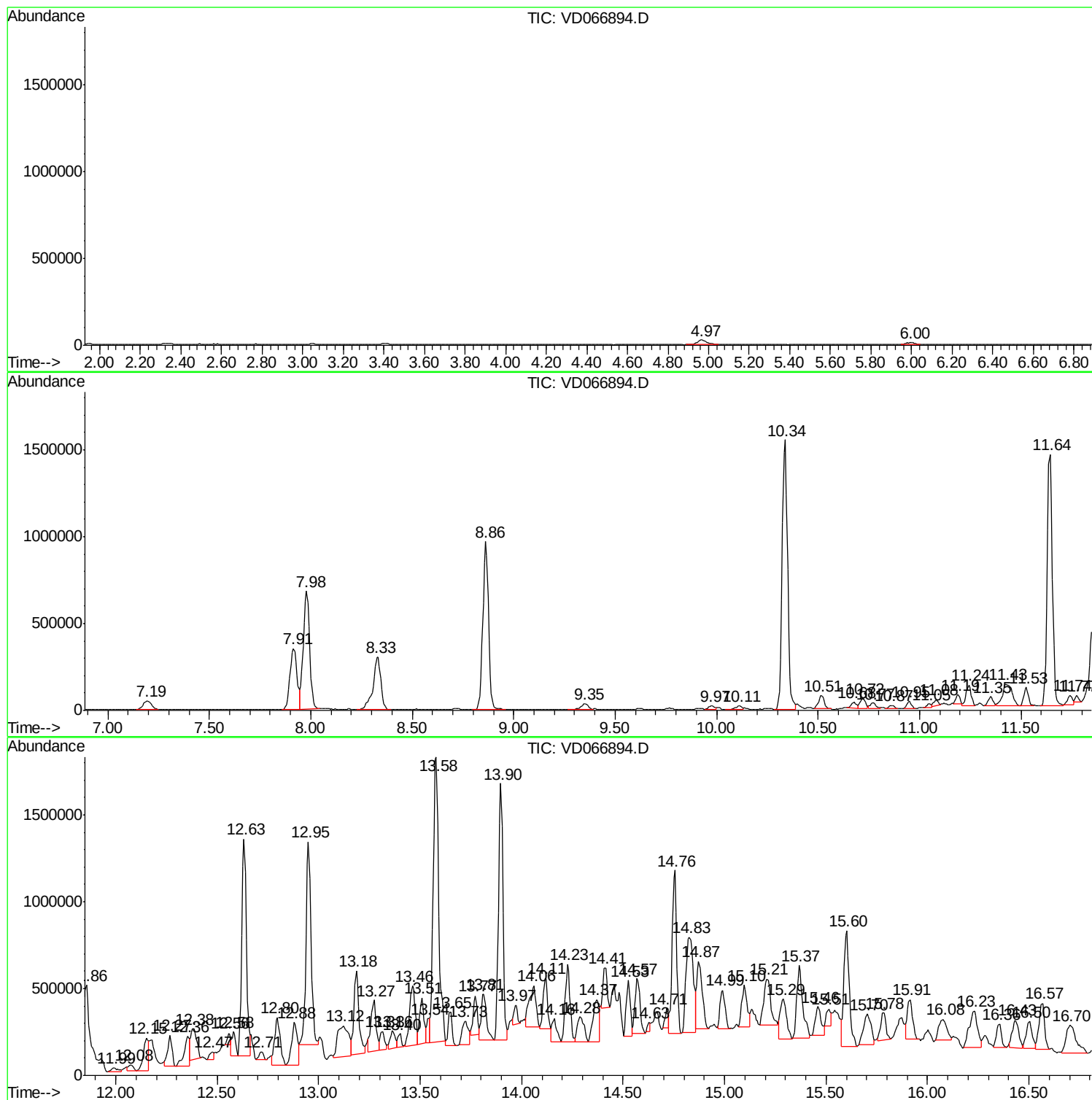
Sum of corrected areas: 47263524

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092520\  
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Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
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Instrument :  
MSVOA\_D  
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DUP-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

| R.T.    | EstConc    | Area                       | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------|------------------------|----------------|
| 13.12   | 11.46 ug/l | 699855                     | 1,4-Dichlorobenzene-d4 | 13.58          |
| Hit# of | 5          | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, 1-ethyl-2-methyl- | 120 C9H12              | 000611-14-3 91 |
| 2       |            | Benzene, 1,2,3-trimethyl-  | 120 C9H12              | 000526-73-8 91 |
| 3       |            | Mesitylene                 | 120 C9H12              | 000108-67-8 91 |
| 4       |            | Benzene, 1,2,4-trimethyl-  | 120 C9H12              | 000095-63-6 91 |
| 5       |            | Benzene, 1-ethyl-4-methyl- | 120 C9H12              | 000622-96-8 91 |

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Peak Number 2 Decane, 4-methyl- Concentration Rank 5

| R.T.    | EstConc    | Area                       | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------|------------------------|----------------|
| 13.18   | 13.45 ug/l | 821821                     | 1,4-Dichlorobenzene-d4 | 13.58          |
| Hit# of | 5          | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |            | Decane, 4-methyl-          | 156 C11H24             | 002847-72-5 83 |
| 2       |            | Nonane, 2,6-dimethyl-      | 156 C11H24             | 017302-28-2 76 |
| 3       |            | Heptane, 3,3,5-trimethyl-  | 142 C10H22             | 007154-80-5 64 |
| 4       |            | Heptane, 3-ethyl-5-methyl- | 142 C10H22             | 052896-90-9 64 |
| 5       |            | Octane, 3,3-dimethyl-      | 142 C10H22             | 004110-44-5 59 |

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Peak Number 3 o-Cymene Concentration Rank 9

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 13.46   | 11.00 ug/l | 671680                              | 1,4-Dichlorobenzene-d4 | 13.58          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | o-Cymene                            | 134 C10H14             | 000527-84-4 86 |
| 2       |            | Benzene, 1-methyl-3-(1-methyleth... | 134 C10H14             | 000535-77-3 86 |
| 3       |            | p-Cymene                            | 134 C10H14             | 000099-87-6 86 |
| 4       |            | Benzene, 1,2,4,5-tetramethyl-       | 134 C10H14             | 000095-93-2 46 |
| 5       |            | Benzene, 2-ethyl-1,3-dimethyl-      | 134 C10H14             | 002870-04-4 46 |

\*\*\*\*\*  
Peak Number 4 Undecane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|------|---------|------|------------------|------|
|------|---------|------|------------------|------|

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 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

| 13.90   | 36.26 ug/l | 2214970                           | 1,4-Dichlorobenzene-d4 | 13.58           |
|---------|------------|-----------------------------------|------------------------|-----------------|
| Hit# of | 5          | Tentative ID                      | MW MolForm             | CAS# Qual       |
| 1       |            | Undecane                          | 156 C11H24             | 001120-21-4 91  |
| 2       |            | Tetradecane                       | 198 C14H30             | 000629-59-4 59  |
| 3       |            | Hydroxylamine, O-decyl-           | 173 C10H23NO           | 029812-79-1 58  |
| 4       |            | Oxalic acid, allyl tridecyl ester | 312 C18H32O4           | 1000309-24-1 53 |
| 5       |            | Ether, hexyl pentyl               | 172 C11H24O            | 032357-83-8 52  |

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 Peak Number 5 1-Phenyl-1-butene Concentration Rank 6

| R.T.    | EstConc    | Area                             | Relative to ISTD       | R.T.            |
|---------|------------|----------------------------------|------------------------|-----------------|
| 14.23   | 12.19 ug/l | 744413                           | 1,4-Dichlorobenzene-d4 | 13.58           |
| Hit# of | 5          | Tentative ID                     | MW MolForm             | CAS# Qual       |
| 1       |            | 1-Phenyl-1-butene                | 132 C10H12             | 000824-90-8 52  |
| 2       |            | Benzene, (2-methylcyclopropyl)-  | 132 C10H12             | 1000327-39-0 46 |
| 3       |            | 3-Phenylbut-1-ene                | 132 C10H12             | 000934-10-1 46  |
| 4       |            | Benzene, 2-ethenyl-1,4-dimethyl- | 132 C10H12             | 002039-89-6 46  |
| 5       |            | Benzene, (2-methyl-1-propenyl)-  | 132 C10H12             | 000768-49-0 46  |

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 Peak Number 6 Dodecane Concentration Rank 2

| R.T.    | EstConc    | Area         | Relative to ISTD       | R.T.           |
|---------|------------|--------------|------------------------|----------------|
| 14.76   | 23.56 ug/l | 1439460      | 1,4-Dichlorobenzene-d4 | 13.58          |
| Hit# of | 5          | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       |            | Dodecane     | 170 C12H26             | 000112-40-3 96 |
| 2       |            | Undecane     | 156 C11H24             | 001120-21-4 53 |
| 3       |            | Tridecane    | 184 C13H28             | 000629-50-5 53 |
| 4       |            | Hexadecane   | 226 C16H34             | 000544-76-3 52 |
| 5       |            | Tetradecane  | 198 C14H30             | 000629-59-4 52 |

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 Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

| R.T.    | EstConc    | Area         | Relative to ISTD       | R.T.      |
|---------|------------|--------------|------------------------|-----------|
| 14.83   | 22.76 ug/l | 1390280      | 1,4-Dichlorobenzene-d4 | 13.58     |
| Hit# of | 5          | Tentative ID | MW MolForm             | CAS# Qual |

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TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

|                                       |     |        |             |    |
|---------------------------------------|-----|--------|-------------|----|
| 1 Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14 | 000934-80-5 | 50 |
| 2 o-Cymene                            | 134 | C10H14 | 000527-84-4 | 50 |
| 3 Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000767-99-7 | 49 |
| 4 p-Cymene                            | 134 | C10H14 | 000099-87-6 | 46 |
| 5 Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14 | 002870-04-4 | 46 |

\*\*\*\*\*  
 Peak Number 8 Undecane, 2,6-dimethyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.87 | 11.89 ug/l | 726553 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of | 5                       | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|-------------------------|--------------|--------|-------------|------|------|
| 1       | Undecane, 2,6-dimethyl- | 184          | C13H28 | 017301-23-4 | 93   |      |
| 2       | Dodecane, 6-methyl-     | 184          | C13H28 | 006044-71-9 | 53   |      |
| 3       | Nonane, 3-methyl-       | 142          | C10H22 | 005911-04-6 | 53   |      |
| 4       | Undecane, 2,5-dimethyl- | 184          | C13H28 | 017301-22-3 | 50   |      |
| 5       | 1-Decene, 4-methyl-     | 154          | C11H22 | 013151-29-6 | 50   |      |

\*\*\*\*\*  
 Peak Number 9 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.21 | 10.48 ug/l | 640048 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of | 5                                   | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|-------------------------------------|--------------|--------|-------------|------|------|
| 1       | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146          | C11H14 | 004912-92-9 | 90   |      |
| 2       | Benzene, (2-methyl-1-butenyl)-      | 146          | C11H14 | 056253-64-6 | 90   |      |
| 3       | Benzene, (3-methyl-2-butenyl)-      | 146          | C11H14 | 004489-84-3 | 90   |      |
| 4       | Benzene, 1-methyl-2-(1-methyl-2-... | 146          | C11H14 | 097664-19-2 | 64   |      |
| 5       | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146          | C11H14 | 027087-54-3 | 60   |      |

\*\*\*\*\*  
 Peak Number 10 Tridecane Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.60 | 20.09 ug/l | 1227310 | 1,4-Dichlorobenzene-d4 | 13.58 |

| Hit# of | 5          | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|------------|--------------|--------|-------------|------|------|
| 1       | Tridecane  | 184          | C13H28 | 000629-50-5 | 96   |      |
| 2       | Hexadecane | 226          | C16H34 | 000544-76-3 | 81   |      |
| 3       | Dodecane   | 170          | C12H26 | 000112-40-3 | 72   |      |

Data Path : Z:\V0ASRV\HPCHEM1\MSV0A\_D\DATA\VD092520\  
Data File : VD066894.D  
Acq On : 26 Sep 2020 02:11  
Operator : VA/SY  
Sample : L4154-04  
Misc : 5.01G/5.00ml/MSV0A\_D/SOIL  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSV0A\_D  
ClientSampleId :  
DUP-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_D\METHOD\82D092220S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

|               |            |                |
|---------------|------------|----------------|
| 4 Pentadecane | 212 C15H32 | 000629-62-9 72 |
| 5 Tetradecane | 198 C14H30 | 000629-59-4 64 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD092520\  
 Data File : VD066894.D  
 Acq On : 26 Sep 2020 02:11  
 Operator : VA/SY  
 Sample : L4154-04  
 Misc : 5.01G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DUP-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D092220S.M  
 Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Benzene, 1-ethyl-... | 13.12 | 11.5    | ug/l  | 699855   | 4                     | 13.58 | 3054240 | 50.0 |
| Decane, 4-methyl-    | 13.18 | 13.4    | ug/l  | 821821   | 4                     | 13.58 | 3054240 | 50.0 |
| o-Cymene             | 13.46 | 11.0    | ug/l  | 671680   | 4                     | 13.58 | 3054240 | 50.0 |
| Undecane             | 13.90 | 36.3    | ug/l  | 2214970  | 4                     | 13.58 | 3054240 | 50.0 |
| 1-Phenyl-1-butene    | 14.23 | 12.2    | ug/l  | 744413   | 4                     | 13.58 | 3054240 | 50.0 |
| Dodecane             | 14.76 | 23.6    | ug/l  | 1439460  | 4                     | 13.58 | 3054240 | 50.0 |
| Benzene, 4-ethyl-... | 14.83 | 22.8    | ug/l  | 1390280  | 4                     | 13.58 | 3054240 | 50.0 |
| Undecane, 2,6-dim... | 14.87 | 11.9    | ug/l  | 726553   | 4                     | 13.58 | 3054240 | 50.0 |
| 1H-Indene, 2,3-di... | 15.21 | 10.5    | ug/l  | 640048   | 4                     | 13.58 | 3054240 | 50.0 |
| Tridecane            | 15.60 | 20.1    | ug/l  | 1227310  | 4                     | 13.58 | 3054240 | 50.0 |