

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\  
 Data File : VW015256.D  
 Acq On : 21 Apr 2020 12:35  
 Operator : SY/VA  
 Sample : L2339-02  
 Misc : 6.78G/5ML/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BIN-4

## 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\_W\METHOD\82W042020S.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         | 2.154       | 35            | 41          | 46           | rBV      | 8728           | 14178         | 5.04%           | 0.829%        |
| 2         | 2.233       | 48            | 54          | 55           | rBV3     | 2669           | 4629          | 1.64%           | 0.271%        |
| 3         | 2.642       | 117           | 121         | 126          | rVB6     | 3396           | 5491          | 1.95%           | 0.321%        |
| 4         | 7.891       | 972           | 982         | 986          | rBV      | 15294          | 37346         | 13.27%          | 2.183%        |
| 5         | 7.952       | 986           | 992         | 1001         | rVV      | 35232          | 77391         | 27.49%          | 4.524%        |
| 6         | 8.311       | 1043          | 1051        | 1060         | rBV      | 14501          | 32613         | 11.59%          | 1.906%        |
| 7         | 8.482       | 1070          | 1079        | 1089         | rVB5     | 2102           | 6985          | 2.48%           | 0.408%        |
| 8         | 8.848       | 1129          | 1139        | 1149         | rBV      | 43599          | 89326         | 31.73%          | 5.221%        |
| 9         | 9.335       | 1208          | 1219        | 1224         | rBV5     | 2038           | 4920          | 1.75%           | 0.288%        |
| 10        | 9.756       | 1284          | 1288        | 1296         | rVB3     | 1779           | 3203          | 1.14%           | 0.187%        |
| 11        | 9.896       | 1306          | 1311        | 1315         | rVB5     | 1948           | 3720          | 1.32%           | 0.217%        |
| 12        | 10.323      | 1374          | 1381        | 1390         | rBV      | 63577          | 117586        | 41.77%          | 6.873%        |
| 13        | 10.695      | 1440          | 1442        | 1448         | rVV2     | 1659           | 3100          | 1.10%           | 0.181%        |
| 14        | 11.634      | 1589          | 1596        | 1606         | rVB      | 50348          | 90015         | 31.98%          | 5.262%        |
| 15        | 12.615      | 1747          | 1757        | 1769         | rBV2     | 38663          | 81697         | 29.02%          | 4.776%        |
| 16        | 12.774      | 1775          | 1783        | 1791         | rBV2     | 2568           | 9929          | 3.53%           | 0.580%        |
| 17        | 12.865      | 1791          | 1798        | 1799         | rBV7     | 2604           | 5019          | 1.78%           | 0.293%        |
| 18        | 13.304      | 1859          | 1870        | 1878         | rBV7     | 7268           | 30140         | 10.71%          | 1.762%        |
| 19        | 13.560      | 1906          | 1912        | 1919         | rBV      | 29424          | 50687         | 18.01%          | 2.963%        |
| 20        | 14.066      | 1992          | 1995        | 1999         | rVB2     | 3776           | 5383          | 1.91%           | 0.315%        |
| 21        | 14.213      | 2012          | 2019        | 2021         | rBV5     | 4556           | 9181          | 3.26%           | 0.537%        |
| 22        | 14.548      | 2064          | 2074        | 2087         | rVB2     | 85081          | 281500        | 100.00%         | 16.455%       |
| 23        | 14.749      | 2096          | 2107        | 2118         | rVB      | 81107          | 249154        | 88.51%          | 14.564%       |
| 24        | 14.926      | 2133          | 2136        | 2138         | rBV4     | 2299           | 3355          | 1.19%           | 0.196%        |
| 25        | 15.158      | 2163          | 2174        | 2183         | rVB      | 78988          | 212538        | 75.50%          | 12.424%       |
| 26        | 15.273      | 2184          | 2193        | 2202         | rBV6     | 7417           | 24604         | 8.74%           | 1.438%        |
| 27        | 15.907      | 2287          | 2297        | 2319         | rVB2     | 31263          | 123502        | 43.87%          | 7.219%        |
| 28        | 16.359      | 2360          | 2371        | 2375         | rBV      | 11412          | 35071         | 12.46%          | 2.050%        |
| 29        | 16.432      | 2377          | 2383        | 2395         | rVB2     | 19022          | 59815         | 21.25%          | 3.496%        |
| 30        | 16.706      | 2418          | 2428        | 2439         | rVB      | 11960          | 38673         | 13.74%          | 2.261%        |

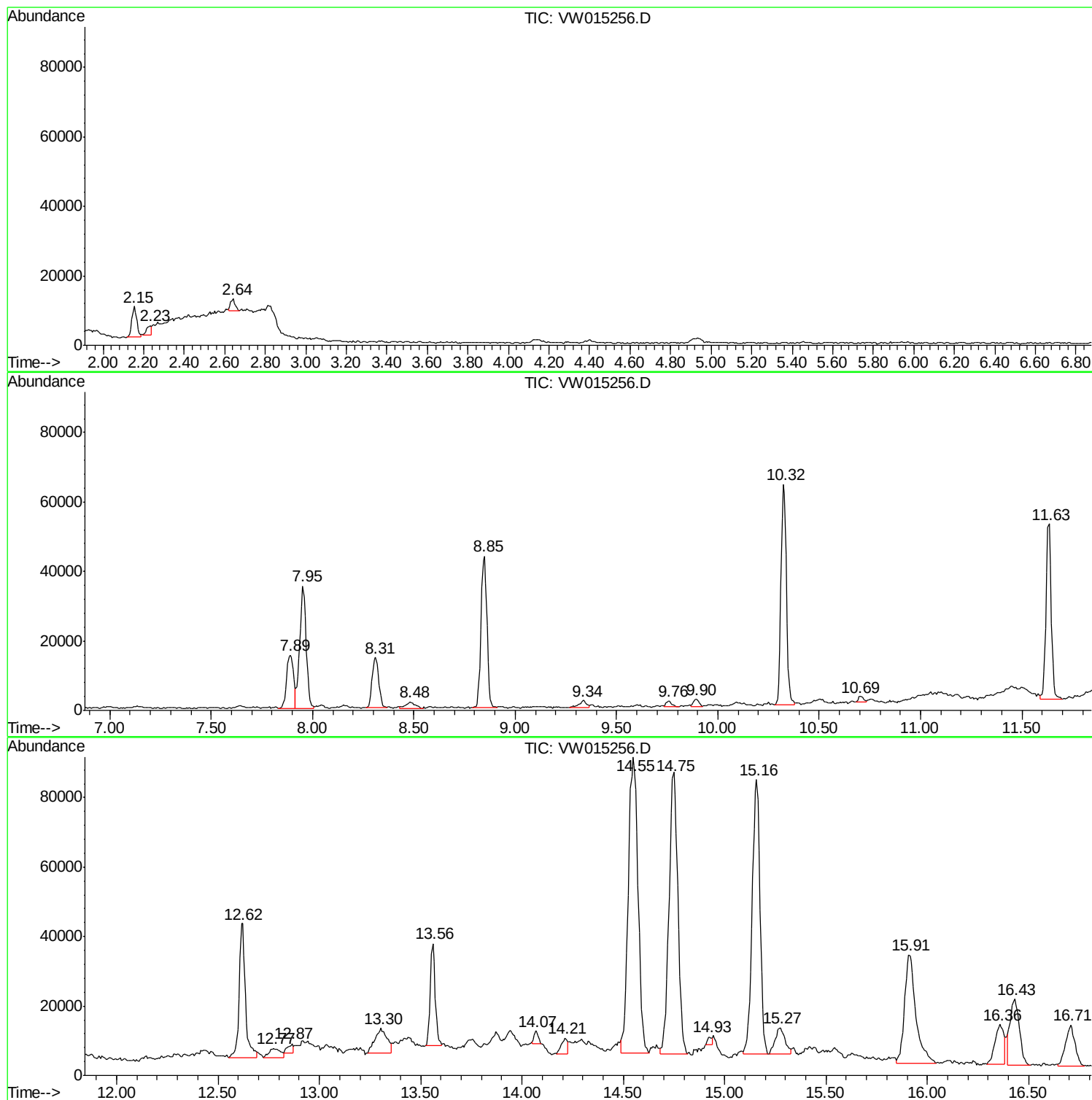
Sum of corrected areas: 1710751

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Quant Title : SW846 8260

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



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Peak Number 1 unknown12.77 Concentration Rank 10

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.            |
|---------|-----------|-------------------------------------|------------------------|-----------------|
| 12.77   | 9.79 ug/l | 9929                                | 1,4-Dichlorobenzene-d4 | 13.56           |
| Hit# of | 5         | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |           | Histamine, 5-fluoro-2-cyano-        | 154 C6H7FN4            | 1000116-77-3 25 |
| 2       |           | Oxazole, 4-ethyl-2,5-dimethyl-      | 125 C7H11NO            | 030408-61-8 10  |
| 3       |           | Cyclohexane, 1,1,2,3-tetramethyl-   | 140 C10H20             | 006783-92-2 9   |
| 4       |           | Zinc, bis[2-(1,1-dimethylethyl)-... | 314 C18H34Zn           | 074793-36-5 9   |
| 5       |           | Ethyl cyanoglyoxylate-2-oxime       | 142 C5H6N2O3           | 003849-21-6 9   |

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Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 8

| R.T.    | EstConc    | Area                       | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------|------------------------|----------------|
| 13.30   | 29.73 ug/l | 30140                      | 1,4-Dichlorobenzene-d4 | 13.56          |
| Hit# of | 5          | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1,7-dimethyl- | 156 C12H12             | 000575-37-1 91 |
| 2       |            | Naphthalene, 2,6-dimethyl- | 156 C12H12             | 000581-42-0 83 |
| 3       |            | Naphthalene, 2,3-dimethyl- | 156 C12H12             | 000581-40-8 64 |
| 4       |            | Naphthalene, 1,5-dimethyl- | 156 C12H12             | 000571-61-9 64 |
| 5       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12             | 000575-43-9 64 |

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Peak Number 3 Benzene, (1-butylhexyl)- Concentration Rank 1

| R.T.    | EstConc     | Area                       | Relative to ISTD       | R.T.           |
|---------|-------------|----------------------------|------------------------|----------------|
| 14.55   | 277.69 ug/l | 281500                     | 1,4-Dichlorobenzene-d4 | 13.56          |
| Hit# of | 5           | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |             | Benzene, (1-butylhexyl)-   | 218 C16H26             | 004537-11-5 94 |
| 2       |             | Benzene, (1-butyloctyl)-   | 246 C18H30             | 002719-63-3 42 |
| 3       |             | Benzene, (1-butylnonyl)-   | 260 C19H32             | 004534-50-3 40 |
| 4       |             | Benzene, (1-butylheptyl)-  | 232 C17H28             | 004537-15-9 40 |
| 5       |             | Benzene, (1-pentylheptyl)- | 246 C18H30             | 002719-62-2 37 |

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Peak Number 4 Benzene, (1-propylheptyl)- Concentration Rank 2

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

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| 14.75 | 245.78 ug/l | 249154                         | 1,4-Dichlorobenzene-d4 | 13.56   |             |      |
|-------|-------------|--------------------------------|------------------------|---------|-------------|------|
| Hit#  | of 5        | Tentative ID                   | MW                     | MolForm | CAS#        | Qual |
| 1     |             | Benzene, (1-propylheptyl)-     | 218                    | C16H26  | 004537-12-6 | 95   |
| 2     |             | Benzene, (1-propyloctyl)-      | 232                    | C17H28  | 004536-86-1 | 59   |
| 3     |             | Benzene, (1-propylnonyl)-      | 246                    | C18H30  | 002719-64-4 | 59   |
| 4     |             | Benzene, (1-propyldecyl)-      | 260                    | C19H32  | 004534-51-4 | 59   |
| 5     |             | Benzene, (1-propylheptadecyl)- | 358                    | C26H46  | 002400-03-5 | 59   |

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 Peak Number 5 Benzene, (1-ethyloctyl)- Concentration Rank 3

| R.T.      | EstConc                       | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------|--------|------------------------|-------------|------|
| 15.16     | 209.66 ug/l                   | 212538 | 1,4-Dichlorobenzene-d4 | 13.56       |      |
| Hit# of 5 | Tentative ID                  | MW     | MolForm                | CAS#        | Qual |
| 1         | Benzene, (1-ethyloctyl)-      | 218    | C16H26                 | 004621-36-7 | 91   |
| 2         | Benzene, (1-ethyldecyl)-      | 246    | C18H30                 | 002400-00-2 | 59   |
| 3         | (1-(Methylthio)propyl)benzene | 166    | C10H14S                | 022906-19-0 | 53   |
| 4         | Benzene, (1-ethylpropyl)-     | 148    | C11H16                 | 001196-58-3 | 50   |
| 5         | Hexane, 3,4-diphenyl-         | 238    | C18H22                 | 005789-31-1 | 43   |

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 Peak Number 6 unknown15.27 Concentration Rank 9

| R.T.      | EstConc                             | Area  | Relative to ISTD       | R.T.         |      |
|-----------|-------------------------------------|-------|------------------------|--------------|------|
| 15.27     | 24.27 ug/l                          | 24604 | 1,4-Dichlorobenzene-d4 | 13.56        |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm                | CAS#         | Qual |
| 1         | 1H-benz[g]indole-2,3-dione, 6,7,... | 201   | C12H11N02              | 1000349-79-0 | 45   |
| 2         | (3-Fluoro-benzyl)-[2-(2-methyl-1... | 282   | C18H19FN2              | 1000300-26-0 | 43   |
| 3         | 4-Methyl-5-methoxy-1,2,4-triazol... | 145   | C4H7N3OS               | 066870-16-4  | 38   |
| 4         | 2H-1,4-Ethanoquinolin-3(4H)-one     | 173   | C11H11NO               | 024562-79-6  | 28   |
| 5         | 3-Phenyl-1H-1,2,4-triazole          | 145   | C8H7N3                 | 003357-42-4  | 27   |

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 Peak Number 7 Benzene, (1-methylnonyl)- Concentration Rank 4

| R.T.    | EstConc     | Area         | Relative to ISTD       | R.T.    |      |      |
|---------|-------------|--------------|------------------------|---------|------|------|
| 15.91   | 121.83 ug/l | 123502       | 1,4-Dichlorobenzene-d4 | 13.56   |      |      |
| Hit# of | 5           | Tentative ID | MW                     | MolForm | CAS# | Qual |

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 ALS Vial : 8 Sample Multiplier: 1

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 TIC Integration Parameters: LSCINT.P

|   |                                     |     |        |             |    |
|---|-------------------------------------|-----|--------|-------------|----|
| 1 | Benzene, (1-methylnonyl)-           | 218 | C16H26 | 004537-13-7 | 87 |
| 2 | Benzene, (1-methyldecyl)-           | 232 | C17H28 | 004536-88-3 | 72 |
| 3 | Benzene, (1-methyldodecyl)-         | 260 | C19H32 | 004534-53-6 | 59 |
| 4 | Benzene, (1-methylundecyl)-         | 246 | C18H30 | 002719-61-1 | 53 |
| 5 | Benzene, (2-ethenyl-1,4,4-trimet... | 216 | C16H24 | 074810-76-7 | 50 |

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 Peak Number 8 Benzene, (1-pentylhexyl)- Concentration Rank 7

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 16.36 | 34.60 ug/l | 35071 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5 | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|---------|---|----------------------------|-----|-----------|-------------|------|
| 1       |   | Benzene, (1-pentylhexyl)-  | 232 | C17H28    | 004537-14-8 | 91   |
| 2       |   | Benzene, (1-pentylheptyl)- | 246 | C18H30    | 002719-62-2 | 42   |
| 3       |   | Benzene, (1-butylhexyl)-   | 218 | C16H26    | 004537-11-5 | 37   |
| 4       |   | N,N'-Diphenethylthiourea   | 284 | C17H20N2S | 018085-24-0 | 32   |
| 5       |   | Benzene, (1-pentylloctyl)- | 260 | C19H32    | 004534-49-0 | 25   |

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 Peak Number 9 Benzene, (1-butylheptyl)- Concentration Rank 5

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 16.43 | 59.00 ug/l | 59815 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, (1-butylheptyl)-           | 232 | C17H28  | 004537-15-9 | 87   |
| 2       |   | 1H-Tetrazol-5-amine, N-(phenylme... | 175 | C8H9N5  | 014832-58-7 | 50   |
| 3       |   | Benzene, (1-butylnonyl)-            | 260 | C19H32  | 004534-50-3 | 43   |
| 4       |   | Benzene, (1-butylloctyl)-           | 246 | C18H30  | 002719-63-3 | 43   |
| 5       |   | Benzene, (1-hexylheptyl)-           | 260 | C19H32  | 002400-01-3 | 43   |

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 Peak Number 10 Benzene, (1-propylloctyl)- Concentration Rank 6

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 16.71 | 38.15 ug/l | 38673 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|---------|---|--------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, (1-propylloctyl)-     | 232 | C17H28  | 004536-86-1 | 87   |
| 2       |   | Benzene, (1-propylnonyl)-      | 246 | C18H30  | 002719-64-4 | 59   |
| 3       |   | Benzene, (1-propylheptadecyl)- | 358 | C26H46  | 002400-03-5 | 59   |

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|                             |            |                |
|-----------------------------|------------|----------------|
| 4 Benzene, (1-propyldecyl)- | 260 C19H32 | 004534-51-4 59 |
| 5 Benzene, (1-hexyloctyl)-  | 274 C20H34 | 004534-54-7 50 |

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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |       |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|-------|------|
|                      |       |         |       |          | #                     | RT    | Resp  | Conc |
| unknown12.77         | 12.77 | 9.8     | ug/l  | 9929     | 4                     | 13.56 | 50687 | 50.0 |
| Naphthalene, 1,7-... | 13.30 | 29.7    | ug/l  | 30140    | 4                     | 13.56 | 50687 | 50.0 |
| Benzene, (1-butyl... | 14.55 | 277.7   | ug/l  | 281500   | 4                     | 13.56 | 50687 | 50.0 |
| Benzene, (1-propy... | 14.75 | 245.8   | ug/l  | 249154   | 4                     | 13.56 | 50687 | 50.0 |
| Benzene, (1-ethyl... | 15.16 | 209.7   | ug/l  | 212538   | 4                     | 13.56 | 50687 | 50.0 |
| unknown15.27         | 15.27 | 24.3    | ug/l  | 24604    | 4                     | 13.56 | 50687 | 50.0 |
| Benzene, (1-methy... | 15.91 | 121.8   | ug/l  | 123502   | 4                     | 13.56 | 50687 | 50.0 |
| Benzene, (1-penty... | 16.36 | 34.6    | ug/l  | 35071    | 4                     | 13.56 | 50687 | 50.0 |
| Benzene, (1-butyl... | 16.43 | 59.0    | ug/l  | 59815    | 4                     | 13.56 | 50687 | 50.0 |
| Benzene, (1-propy... | 16.71 | 38.1    | ug/l  | 38673    | 4                     | 13.56 | 50687 | 50.0 |