

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031122\  
 Data File : VD072148.D  
 Acq On : 11 Mar 2022 13:31  
 Operator : VA/SY  
 Sample : VSTDICC150  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC150

Quant Time: Mar 14 01:27:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 01:23:26 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022  
 Supervised By :Semsettin Yesilyurt 03/16/2022

| Compound                     | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                        |        |       |          |          |             |          |
| Internal Standards           |        |       |          |          |             |          |
| 1) Pentafluorobenzene        | 7.973  | 168   | 456343   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861  | 114   | 725751   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5         | 11.637 | 117   | 670532   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561 | 152   | 326966   | 50.000   | ug/l        | 0.00     |
| System Monitoring Compounds  |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4    | 8.326  | 65    | 679409   | 121.722  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 243.440%# |          |
| 35) Dibromofluoromethane     | 7.914  | 113   | 690016   | 145.022  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 290.040%# |          |
| 50) Toluene-d8               | 10.337 | 98    | 2573378  | 145.024  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 290.040%# |          |
| 62) 4-Bromofluorobenzene     | 12.620 | 95    | 953440   | 151.137  | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 302.280%# |          |
| Target Compounds             |        |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.991  | 85    | 565818   | 106.535  | ug/l        | 96       |
| 3) Chloromethane             | 2.208  | 50    | 558524   | 90.920   | ug/l        | 95       |
| 4) Vinyl Chloride            | 2.350  | 62    | 530344   | 83.213   | ug/l        | 97       |
| 5) Bromomethane              | 2.744  | 94    | 327085   | 77.977   | ug/l        | 100      |
| 6) Chloroethane              | 2.908  | 64    | 349793   | 86.580   | ug/l        | 97       |
| 7) Trichlorofluoromethane    | 3.267  | 101   | 1141238  | 118.837  | ug/l        | 97       |
| 8) Diethyl Ether             | 3.708  | 74    | 325771   | 129.879  | ug/l        | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097  | 101   | 711467   | 129.303  | ug/l        | 95       |
| 10) Methyl Iodide            | 4.297  | 142   | 712905   | 132.068  | ug/l        | 97       |
| 11) Tert butyl alcohol       | 5.220  | 59    | 202854   | 497.814  | ug/l        | 99       |
| 12) 1,1-Dichloroethene       | 4.067  | 96    | 621214   | 126.183  | ug/l        | 95       |
| 13) Acrolein                 | 3.926  | 56    | 171817   | 364.381  | ug/l        | 98       |
| 14) Allyl chloride           | 4.714  | 41    | 1095289  | 118.387  | ug/l        | 94       |
| 15) Acrylonitrile            | 5.420  | 53    | 800862   | 635.249  | ug/l        | 98       |
| 16) Acetone                  | 4.155  | 43    | 718747   | 487.702  | ug/l        | 96       |
| 17) Carbon Disulfide         | 4.408  | 76    | 1449140  | 88.313   | ug/l        | 99       |
| 18) Methyl Acetate           | 4.714  | 43    | 361337   | 110.949  | ug/l        | 95       |
| 19) Methyl tert-butyl Ether  | 5.479  | 73    | 1660293  | 140.687  | ug/l        | 100      |
| 20) Methylene Chloride       | 4.961  | 84    | 731669   | 112.780  | ug/l        | 91       |
| 21) trans-1,2-Dichloroethene | 5.473  | 96    | 693504   | 121.345  | ug/l        | 96       |
| 22) Diisopropyl ether        | 6.361  | 45    | 2389683  | 130.855  | ug/l        | 94       |
| 23) Vinyl Acetate            | 6.302  | 43    | 6477173  | 652.037  | ug/l        | 96       |
| 24) 1,1-Dichloroethane       | 6.261  | 63    | 1376272  | 127.930  | ug/l        | 99       |
| 25) 2-Butanone               | 7.208  | 43    | 1009639  | 578.569  | ug/l        | 93       |
| 26) 2,2-Dichloropropane      | 7.208  | 77    | 1255408  | 138.590  | ug/l        | 98       |
| 27) cis-1,2-Dichloroethene   | 7.208  | 96    | 846198   | 135.648  | ug/l        | 95       |
| 28) Bromochloromethane       | 7.544  | 49    | 565564   | 138.332  | ug/l        | 85       |
| 29) Tetrahydrofuran          | 7.561  | 42    | 629916   | 606.640  | ug/l        | 93       |
| 30) Chloroform               | 7.708  | 83    | 1440265  | 130.055  | ug/l        | 100      |
| 31) Cyclohexane              | 7.985  | 56    | 1155483  | 107.976  | ug/l        | 94       |
| 32) 1,1,1-Trichloroethane    | 7.902  | 97    | 1305684  | 132.732  | ug/l        | 96       |
| 36) 1,1-Dichloropropene      | 8.108  | 75    | 1046773  | 129.237  | ug/l        | 97       |
| 37) Ethyl Acetate            | 7.291  | 43    | 444764   | 121.495  | ug/l        | # 96     |
| 38) Carbon Tetrachloride     | 8.096  | 117   | 1134245  | 139.188  | ug/l        | 96       |
| 39) Methylcyclohexane        | 9.349  | 83    | 1266717  | 135.127  | ug/l        | 97       |
| 40) Benzene                  | 8.349  | 78    | 2931211  | 133.724  | ug/l        | 99       |

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022  
 Supervised By :Semsettin Yesilyurt 03/16/2022

Quant Time: Mar 14 01:27:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 14 01:23:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.520  | 41   | 261413   | 127.035  | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 861523   | 126.505  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.449  | 43   | 892303   | 134.934  | ug/l # | 95       |
| 44) Trichloroethene           | 9.108  | 130  | 816833   | 141.652  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 772110   | 136.485  | ug/l   | 99       |
| 46) Dibromomethane            | 9.473  | 93   | 391295   | 133.783  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.661  | 83   | 1092874  | 138.960  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.449  | 41   | 445867   | 127.555  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 94460    | 2840.561 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.226 | 43   | 2264908  | 655.738  | ug/l   | 94       |
| 52) Toluene                   | 10.396 | 92   | 1944585  | 141.035  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 1058468  | 147.320  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 1226925  | 144.839  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 10.796 | 97   | 566258   | 143.114  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 749314   | 155.019  | ug/l   | 87       |
| 57) 1,3-Dichloropropane       | 10.937 | 76   | 977939   | 139.902  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 1616037  | 720.516  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.979 | 43   | 1603825  | 648.246  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.132 | 129  | 735733   | 149.598  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.237 | 107  | 529220   | 139.977  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.873 | 164  | 657257   | 137.157  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.661 | 112  | 2063888  | 143.625  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.737 | 131  | 791172   | 149.740  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.737 | 91   | 3814845  | 145.092  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.843 | 106  | 2910002  | 290.976  | ug/l   | 98       |
| 69) o-Xylene                  | 12.173 | 106  | 1398675  | 152.640  | ug/l   | 96       |
| 70) Styrene                   | 12.184 | 104  | 2390351  | 151.934  | ug/l   | 98       |
| 71) Bromoform                 | 12.355 | 173  | 426478   | 152.409  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.473 | 105  | 3799001  | 148.618  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.279 | 43   | 847014   | 140.544  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 624467   | 134.645  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 505676m  | 146.174  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 835891   | 147.547  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.814 | 91   | 4555747  | 143.281  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 2616881  | 145.339  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 3138855  | 148.231  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 211853   | 151.968  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 2670666  | 142.389  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.214 | 119  | 2773931  | 156.134  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 3060826  | 147.193  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.390 | 105  | 4106607  | 148.350  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 3417523  | 151.947  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 1667465  | 144.485  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.584 | 146  | 1638264  | 142.143  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.831 | 91   | 3239445  | 146.857  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.102 | 117  | 660888   | 148.172  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.878 | 146  | 1445968  | 146.458  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 102114   | 133.652  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 974366   | 164.594  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 539390   | 163.305  | ug/l   | 99       |
| 95) Naphthalene               | 15.384 | 128  | 1793755  | 171.326  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.578 | 180  | 848296   | 167.857  | ug/l   | 98       |

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 VSTDICC150

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 Supervised By :Semsettin Yesilyurt 03/16/2022

Quant Time: Mar 14 01:27:24 2022  
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 Quant Title : SW846 8260  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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