

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021822\  
 Data File : VD072018.D  
 Acq On : 18 Feb 2022 10:18  
 Operator : VA/SY  
 Sample : VSTDICC020  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC020

Quant Time: Feb 19 03:39:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 19 03:37:16 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2022  
 Supervised By :Mahesh Dadoda 02/21/2022

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 496145     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 813926     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638         | 117  | 756644     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.567         | 152  | 370400     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 99583      | 19.350   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 38.700%# |        |          |
| 35) Dibromofluoromethane     | 7.914          | 113  | 97414      | 19.754   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 39.500%# |        |          |
| 50) Toluene-d8               | 10.338         | 98   | 339747     | 18.578   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 37.160%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.626         | 95   | 131367     | 19.556   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 39.120%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.985          | 85   | 94833      | 20.273   | ug/l   | 100      |
| 3) Chloromethane             | 2.209          | 50   | 81793      | 18.491   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.350          | 62   | 76406      | 18.093   | ug/l   | 96       |
| 5) Bromomethane              | 2.750          | 94   | 53437      | 18.151   | ug/l   | 95       |
| 6) Chloroethane              | 2.915          | 64   | 50056      | 18.753   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.268          | 101  | 161072     | 19.714   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.715          | 74   | 45088      | 19.358   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097          | 101  | 102114     | 20.004   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.303          | 142  | 89565      | 17.828   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.220          | 59   | 30688      | 104.508  | ug/l # | 95       |
| 12) 1,1-Dichloroethene       | 4.062          | 96   | 82277      | 18.147   | ug/l   | 99       |
| 13) Acrolein                 | 3.915          | 56   | 64733      | 111.794  | ug/l   | 99       |
| 14) Allyl chloride           | 4.715          | 41   | 148680     | 18.711   | ug/l   | 99       |
| 15) Acrylonitrile            | 5.420          | 53   | 135657     | 107.766  | ug/l   | 98       |
| 16) Acetone                  | 4.156          | 43   | 108726     | 97.753   | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.403          | 76   | 199459     | 15.346   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.715          | 43   | 66505      | 20.926   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 222357     | 20.160   | ug/l   | 99       |
| 20) Methylene Chloride       | 4.956          | 84   | 106021     | 19.153   | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.473          | 96   | 92297      | 18.117   | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.362          | 45   | 334514     | 20.161   | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.303          | 43   | 862900     | 97.385   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.262          | 63   | 193801     | 19.633   | ug/l   | 99       |
| 25) 2-Butanone               | 7.209          | 43   | 161122     | 104.811  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.209          | 77   | 152024     | 19.246   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.209          | 96   | 112680     | 19.305   | ug/l   | 98       |
| 28) Bromochloromethane       | 7.544          | 49   | 80763      | 19.193   | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 104203     | 106.212  | ug/l   | 97       |
| 30) Chloroform               | 7.703          | 83   | 199563     | 19.691   | ug/l   | 99       |
| 31) Cyclohexane              | 7.979          | 56   | 163500     | 17.986   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 171830     | 19.701   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 138423     | 18.531   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.291          | 43   | 71361      | 20.601   | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 149304     | 19.501   | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.355          | 83   | 158028     | 18.075   | ug/l   | 98       |
| 40) Benzene                  | 8.350          | 78   | 397619     | 18.864   | ug/l   | 97       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
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Reviewed By : Semsettin Yesilyurt 02/19/2022  
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 19 03:39:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 19 03:37:16 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 48210    | 22.444  | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 124236   | 19.649  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.450  | 43   | 132654   | 20.565  | ug/l   | 99       |
| 44) Trichloroethene           | 9.108  | 130  | 107984   | 18.796  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 111382   | 19.810  | ug/l   | 97       |
| 46) Dibromomethane            | 9.473  | 93   | 60823    | 20.499  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.655  | 83   | 154493   | 20.184  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.450  | 41   | 64541    | 19.807  | ug/l # | 91       |
| 49) 1,4-Dioxane               | 9.450  | 88   | 14881    | 422.765 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 367976   | 107.642 | ug/l   | 98       |
| 52) Toluene                   | 10.397 | 92   | 255613   | 18.950  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 138575   | 19.796  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 162900   | 19.662  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 85269    | 20.421  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 99421    | 19.938  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 146847   | 20.347  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 226804   | 101.670 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.979 | 43   | 244521   | 104.866 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.132 | 129  | 105679   | 20.267  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 81054    | 20.313  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.867 | 164  | 88633    | 18.554  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.661 | 112  | 289508   | 19.742  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 109997   | 20.210  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.738 | 91   | 494163   | 19.164  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.844 | 106  | 382737   | 38.774  | ug/l   | 99       |
| 69) o-Xylene                  | 12.173 | 106  | 179823   | 19.365  | ug/l   | 98       |
| 70) Styrene                   | 12.185 | 104  | 316148   | 19.839  | ug/l   | 99       |
| 71) Bromoform                 | 12.355 | 173  | 64964    | 20.812  | ug/l   | 99       |
| 73) Isopropylbenzene          | 12.473 | 105  | 491917   | 19.343  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 121256   | 19.745  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 106634   | 21.207  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 82103m   | 21.040  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 117234   | 19.685  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.808 | 91   | 610069   | 19.517  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 357475   | 19.758  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 423825   | 19.958  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 28185    | 20.117  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 369159   | 19.605  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.214 | 119  | 360179   | 19.740  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 420486   | 20.142  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.391 | 105  | 555408   | 19.983  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 458200   | 20.043  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 241143   | 20.030  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 241550   | 19.968  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.832 | 91   | 435450   | 20.032  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 91202    | 19.875  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.879 | 146  | 213031   | 20.178  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 16556    | 21.136  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.149 | 180  | 130576   | 20.135  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.255 | 225  | 74889    | 21.001  | ug/l   | 99       |
| 95) Naphthalene               | 15.385 | 128  | 240894   | 20.463  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.579 | 180  | 116347   | 20.800  | ug/l   | 97       |

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ALS Vial : 1 Sample Multiplier: 1

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Quant Time: Feb 19 03:39:27 2022  
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Quant Title : SW846 8260  
QLast Update : Sat Feb 19 03:37:16 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

