

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111622\  
 Data File : VD074944.D  
 Acq On : 16 Nov 2022 13:01  
 Operator : VA/SY  
 Sample : VD1116SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1116SBS01

Quant Time: Nov 17 00:20:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 11/17/2022  
 Supervised By :Mahesh Dadoda 11/17/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.881          | 168  | 128570              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 227710              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.587         | 117  | 210579              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 99842               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 48298               | 57.414  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 114.820% |         |        |          |
| 35) Dibromofluoromethane     | 7.810          | 113  | 59398               | 42.316  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 84.640%  |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 215854              | 46.684  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 93.360%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 70995               | 50.003  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 100.000% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 20578               | 22.575  | ug/l   | 99       |
| 3) Chloromethane             | 2.146          | 50   | 34394               | 23.544  | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.281          | 62   | 40037               | 22.208  | ug/l   | 97       |
| 5) Bromomethane              | 2.681          | 94   | 36224               | 26.289  | ug/l   | 100      |
| 6) Chloroethane              | 2.834          | 64   | 30509               | 23.045  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 46747               | 22.758  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.593          | 74   | 13544               | 22.998  | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 3.969          | 101  | 29588               | 22.572  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.164          | 142  | 29674               | 21.989  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.052          | 59   | 8837                | 134.727 | ug/l # | 95       |
| 12) 1,1-Dichloroethene       | 3.946          | 96   | 28741               | 22.510  | ug/l   | 91       |
| 13) Acrolein                 | 3.793          | 56   | 6267                | 165.242 | ug/l   | 98       |
| 14) Allyl chloride           | 4.564          | 41   | 33086               | 24.226  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.263          | 53   | 28552               | 124.060 | ug/l   | 98       |
| 16) Acetone                  | 4.022          | 43   | 25996               | 122.480 | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.269          | 76   | 79876               | 21.991  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.564          | 43   | 15822               | 27.628  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 58880               | 23.034  | ug/l   | 93       |
| 20) Methylene Chloride       | 4.805          | 84   | 60191               | 27.416  | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 33642               | 23.235  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.222          | 45   | 73711               | 24.215  | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.158          | 43   | 151305m             | 115.809 | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.116          | 63   | 54041               | 23.772  | ug/l   | 98       |
| 25) 2-Butanone               | 7.087          | 43   | 30333               | 109.288 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 43104               | 20.177  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 32662               | 20.334  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.434          | 49   | 16279               | 22.197  | ug/l   | 88       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 16232               | 105.656 | ug/l   | 96       |
| 30) Chloroform               | 7.599          | 83   | 51782               | 20.800  | ug/l   | 100      |
| 31) Cyclohexane              | 7.881          | 56   | 34343               | 18.322  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 43985               | 20.500  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 36957               | 17.915  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.175          | 43   | 13300               | 19.213  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.999          | 117  | 31891               | 16.423  | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.275          | 83   | 40251               | 18.213  | ug/l   | 93       |
| 40) Benzene                  | 8.252          | 78   | 115719              | 19.508  | ug/l   | 99       |

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Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Quant Time: Nov 17 00:20:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 11/17/2022  
 Supervised By :Mahesh Dadoda 11/17/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 7758     | 21.131  | ug/l # | 81       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 28410    | 20.012  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 23000    | 18.865  | ug/l   | 99       |
| 44) Trichloroethene           | 9.034  | 130  | 31358    | 20.009  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 27263    | 20.455  | ug/l   | 91       |
| 46) Dibromomethane            | 9.393  | 93   | 15278    | 20.468  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.587  | 83   | 39055    | 21.082  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.381  | 41   | 11270    | 20.867  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 2807     | 383.233 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 60228    | 103.621 | ug/l   | 97       |
| 52) Toluene                   | 10.334 | 92   | 76154    | 21.472  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 33479    | 20.458  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.022 | 75   | 41778    | 20.817  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 22730    | 21.900  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 22452    | 19.673  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 35234    | 21.115  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.875  | 63   | 41391    | 106.942 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.922 | 43   | 42214    | 104.184 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.075 | 129  | 25184    | 20.454  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 20745    | 21.372  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.810 | 164  | 26240    | 18.585  | ug/l   | 89       |
| 65) Chlorobenzene             | 11.610 | 112  | 80594    | 19.564  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.687 | 131  | 28314    | 19.617  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.687 | 91   | 137975   | 19.225  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 108085   | 37.772  | ug/l   | 96       |
| 69) o-Xylene                  | 12.122 | 106  | 50463    | 19.168  | ug/l   | 98       |
| 70) Styrene                   | 12.140 | 104  | 89646    | 19.865  | ug/l   | 98       |
| 71) Bromoform                 | 12.304 | 173  | 14276    | 19.111  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.422 | 105  | 134417   | 19.560  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 21829    | 19.306  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 25340    | 20.846  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 17149m   | 20.536  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 31865    | 19.814  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.763 | 91   | 167388   | 19.816  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 91795    | 20.168  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 115611   | 20.190  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 6641     | 19.563  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 95660    | 20.182  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 95078    | 19.136  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 112010   | 19.779  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 148702   | 19.676  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 123941   | 19.723  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 65070    | 19.451  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 64920    | 19.553  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.787 | 91   | 113543   | 19.461  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.057 | 117  | 22306    | 19.818  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 57312    | 20.146  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 3440     | 20.526  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 32915    | 19.008  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 17454    | 19.541  | ug/l   | 97       |
| 95) Naphthalene               | 15.334 | 128  | 59402    | 18.482  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 28302    | 18.900  | ug/l   | 98       |

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

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

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