

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022024\  
 Data File : VD078476.D  
 Acq On : 20 Feb 2024 11:51  
 Operator : RP/MD  
 Sample : VD0220SBS01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0220SBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2024  
 Supervised By :Semsettin Yesilyurt 02/21/2024

Quant Time: Feb 21 05:21:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021324S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 14 01:16:20 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 134659     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 238638     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 220892     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 109511     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 70746      | 48.589   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 97.180%  |        |          |
| 35) Dibromofluoromethane     | 7.810          | 113  | 78789      | 51.976   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 103.960% |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 307764     | 50.754   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 101.500% |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 87974      | 49.854   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 99.700%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.940          | 85   | 23037      | 17.363   | ug/l   | 99       |
| 3) Chloromethane             | 2.152          | 50   | 40378      | 16.560   | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.287          | 62   | 58417      | 15.701   | ug/l   | 97       |
| 5) Bromomethane              | 2.693          | 94   | 48891      | 19.037   | ug/l   | 97       |
| 6) Chloroethane              | 2.840          | 64   | 49322      | 18.179   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.181          | 101  | 48392      | 19.281   | ug/l   | 85       |
| 8) Diethyl Ether             | 3.599          | 74   | 14440      | 19.974   | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 3.975          | 101  | 31509      | 19.900   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.169          | 142  | 29427      | 20.750   | ug/l   | 92       |
| 11) Tert butyl alcohol       | 5.058          | 59   | 8764       | 107.846  | ug/l # | 90       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 30630      | 20.866   | ug/l   | 96       |
| 13) Acrolein                 | 3.799          | 56   | 11055      | 82.188   | ug/l   | 97       |
| 14) Allyl chloride           | 4.569          | 41   | 33047      | 18.223   | ug/l   | 93       |
| 15) Acrylonitrile            | 5.269          | 53   | 30318      | 97.966   | ug/l   | 94       |
| 16) Acetone                  | 4.028          | 43   | 36853      | 116.850  | ug/l # | 84       |
| 17) Carbon Disulfide         | 4.281          | 76   | 87144      | 17.642   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.569          | 43   | 11650      | 14.310   | ug/l # | 88       |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 61126      | 19.599   | ug/l   | 95       |
| 20) Methylene Chloride       | 4.811          | 84   | 39093      | 21.970   | ug/l # | 86       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 35571      | 20.598   | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.222          | 45   | 80680      | 20.185   | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.158          | 43   | 201826m    | 115.670  | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.116          | 63   | 58504      | 20.662   | ug/l   | 96       |
| 25) 2-Butanone               | 7.087          | 43   | 43808      | 109.961  | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 7.081          | 77   | 49203      | 20.729   | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene   | 7.087          | 96   | 37817      | 19.959   | ug/l   | 91       |
| 28) Bromochloromethane       | 7.428          | 49   | 23782      | 21.206   | ug/l   | 85       |
| 29) Tetrahydrofuran          | 7.452          | 42   | 20472      | 94.546   | ug/l   | 95       |
| 30) Chloroform               | 7.599          | 83   | 62925      | 21.004   | ug/l   | 97       |
| 31) Cyclohexane              | 7.881          | 56   | 44925      | 18.240   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 52988      | 20.745   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 45845      | 19.468   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.169          | 43   | 16053      | 19.447   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 47457      | 20.349   | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.275          | 83   | 51714      | 18.498   | ug/l   | 99       |
| 40) Benzene                  | 8.252          | 78   | 137062     | 20.137   | ug/l   | 97       |

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Quant Time: Feb 21 05:21:34 2024  
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 Quant Title : SW846 8260  
 QLast Update : Wed Feb 14 01:16:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 8973m    | 20.886  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.334  | 62   | 35728    | 20.286  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 29923    | 19.575  | ug/l # | 77       |
| 44) Trichloroethene           | 9.034  | 130  | 35985    | 20.723  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 33053    | 19.792  | ug/l   | 92       |
| 46) Dibromomethane            | 9.393  | 93   | 18491    | 19.685  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.587  | 83   | 48457    | 20.827  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.381  | 41   | 12664    | 15.616  | ug/l # | 84       |
| 49) 1,4-Dioxane               | 9.393  | 88   | 4058     | 398.910 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 78844    | 97.182  | ug/l   | 91       |
| 52) Toluene                   | 10.334 | 92   | 85103    | 19.771  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 42226    | 19.890  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 51999    | 20.200  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 26199    | 20.711  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 26504    | 22.654  | ug/l # | 95       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 42558    | 19.777  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 64757    | 93.967  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.922 | 43   | 62994    | 103.319 | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.075 | 129  | 31769    | 20.873  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 24887    | 20.956  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 27241    | 19.525  | ug/l # | 86       |
| 65) Chlorobenzene             | 11.610 | 112  | 93424    | 21.038  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 33276    | 20.390  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.687 | 91   | 155327   | 19.521  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 127072   | 40.943  | ug/l   | 93       |
| 69) o-Xylene                  | 12.122 | 106  | 58447    | 20.636  | ug/l   | 98       |
| 70) Styrene                   | 12.134 | 104  | 98545    | 21.319  | ug/l   | 96       |
| 71) Bromoform                 | 12.298 | 173  | 17461    | 20.328  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.422 | 105  | 150645   | 20.486  | ug/l   | 94       |
| 74) N-amyl acetate            | 12.234 | 43   | 27478    | 19.752  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 28169    | 19.311  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 19057m   | 20.498  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 36849    | 21.322  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.763 | 91   | 193058   | 21.067  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 102563   | 20.896  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 125331   | 20.526  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 9410     | 21.012  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 106754   | 20.251  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 109640   | 21.291  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 124679   | 20.119  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 169344   | 21.204  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 137151   | 20.162  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 75741    | 20.534  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 76354    | 21.068  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.787 | 91   | 132151   | 20.156  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.051 | 117  | 28484    | 20.373  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 64207    | 20.730  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 4026     | 21.079  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 37321    | 20.502  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 21178    | 22.289  | ug/l   | 95       |
| 95) Naphthalene               | 15.334 | 128  | 67557    | 20.010  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 33532    | 21.736  | ug/l   | 98       |

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Quant Title : SW846 8260  
QLast Update : Wed Feb 14 01:16:20 2024  
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

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