

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052122\  
 Data File : VD073229.D  
 Acq On : 21 May 2022 14:57  
 Operator : VA/SY  
 Sample : VD0521SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0521SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 05/24/2022  
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 22 01:31:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 328984              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855          | 114  | 562887              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 543986              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 276481              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.320          | 65   | 198836              | 54.689  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 109.380% |         |        |          |
| 35) Dibromofluoromethane     | 7.908          | 113  | 208075              | 56.020  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 112.040% |         |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 747645              | 54.605  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 109.220% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 270695              | 56.336  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 112.680% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.985          | 85   | 69237               | 21.062  | ug/l   | 98       |
| 3) Chloromethane             | 2.209          | 50   | 69587               | 18.720  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.344          | 62   | 65612               | 19.303  | ug/l   | 99       |
| 5) Bromomethane              | 2.744          | 94   | 46993               | 19.069  | ug/l   | 98       |
| 6) Chloroethane              | 2.903          | 64   | 40393               | 19.331  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.262          | 101  | 121423              | 20.203  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.709          | 74   | 32209               | 19.503  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091          | 101  | 70042               | 19.532  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.297          | 142  | 63809               | 16.492  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.209          | 59   | 33234               | 58.917  | ug/l # | 90       |
| 12) 1,1-Dichloroethene       | 4.062          | 96   | 64276               | 19.441  | ug/l   | 93       |
| 13) Acrolein                 | 3.914          | 56   | 26708               | 109.951 | ug/l   | 99       |
| 14) Allyl chloride           | 4.703          | 41   | 100608              | 18.852  | ug/l   | 88       |
| 15) Acrylonitrile            | 5.409          | 53   | 81634               | 108.096 | ug/l   | 98       |
| 16) Acetone                  | 4.150          | 43   | 62420               | 99.119  | ug/l # | 82       |
| 17) Carbon Disulfide         | 4.403          | 76   | 196226              | 17.904  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.714          | 43   | 40555               | 23.159  | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 155591              | 20.657  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.956          | 84   | 84269               | 18.588  | ug/l   | 88       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 75955               | 19.001  | ug/l   | 86       |
| 22) Diisopropyl ether        | 6.356          | 45   | 229105              | 20.479  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.303          | 43   | 593823              | 99.512  | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.261          | 63   | 141465              | 19.700  | ug/l   | 98       |
| 25) 2-Butanone               | 7.208          | 43   | 96641               | 104.891 | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 7.197          | 77   | 113548              | 18.542  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.203          | 96   | 86091               | 19.463  | ug/l   | 91       |
| 28) Bromochloromethane       | 7.538          | 49   | 48006               | 19.405  | ug/l # | 80       |
| 29) Tetrahydrofuran          | 7.555          | 42   | 64011               | 107.445 | ug/l   | 93       |
| 30) Chloroform               | 7.703          | 83   | 150950              | 20.135  | ug/l   | 99       |
| 31) Cyclohexane              | 7.979          | 56   | 115978              | 18.254  | ug/l # | 80       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 131737              | 20.091  | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 105092              | 18.813  | ug/l   | 94       |
| 37) Ethyl Acetate            | 7.291          | 43   | 48102               | 21.800  | ug/l # | 92       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 111951              | 19.770  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.350          | 83   | 112286              | 18.036  | ug/l   | 95       |
| 40) Benzene                  | 8.344          | 78   | 317474              | 19.719  | ug/l   | 99       |

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.508  | 41   | 22575    | 17.560  | ug/l # | 84       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 94021    | 20.988  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 86576    | 21.227  | ug/l # | 91       |
| 44) Trichloroethene           | 9.102  | 130  | 84375    | 19.653  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 82777    | 20.416  | ug/l   | 95       |
| 46) Dibromomethane            | 9.473  | 93   | 45917    | 20.620  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.655  | 83   | 115918   | 20.345  | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.450  | 41   | 38914    | 18.965  | ug/l # | 75       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 10896    | 473.816 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 233401   | 110.184 | ug/l   | 95       |
| 52) Toluene                   | 10.397 | 92   | 205307   | 20.180  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 104428   | 20.287  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 121279   | 19.689  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 62884    | 20.883  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 69753    | 20.834  | ug/l # | 85       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 105793   | 20.938  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 135520   | 99.450  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.973 | 43   | 152995   | 109.552 | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.132 | 129  | 77633    | 20.676  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 61338    | 21.317  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.867 | 164  | 69070    | 19.385  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.661 | 112  | 221226   | 19.824  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 82815    | 20.009  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.732 | 91   | 379704   | 19.382  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.844 | 106  | 301318   | 39.589  | ug/l   | 97       |
| 69) o-Xylene                  | 12.173 | 106  | 134807   | 19.280  | ug/l   | 97       |
| 70) Styrene                   | 12.185 | 104  | 242244   | 20.137  | ug/l   | 97       |
| 71) Bromoform                 | 12.349 | 173  | 46525    | 21.842  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.467 | 105  | 362624   | 18.398  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 85249    | 19.826  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 74116    | 20.389  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 51946m   | 19.149  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 91975    | 19.823  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.808 | 91   | 466994   | 18.873  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 269471   | 18.861  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 319094   | 19.111  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 23635    | 20.916  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 283095   | 18.904  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 251212   | 17.852  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 318121   | 19.287  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 404136   | 18.809  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 329315   | 18.802  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 184097   | 19.685  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 183127   | 19.398  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.826 | 91   | 314254   | 18.831  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 69963    | 19.305  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 160831   | 19.876  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 12398    | 22.271  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 90349    | 19.667  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 48178    | 18.611  | ug/l   | 100      |
| 95) Naphthalene               | 15.379 | 128  | 155927   | 19.555  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 80535    | 19.775  | ug/l   | 99       |

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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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