

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052022\  
 Data File : VD073212.D  
 Acq On : 21 May 2022 06:21  
 Operator : VA/SY  
 Sample : VD0520SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0520SBS02

Manual Integrations  
 APPROVED

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

Quant Time: May 21 06:34:45 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  | 283981              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855          | 114  | 524647              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 510336              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 249849              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 190620              | 60.738  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 121.480% |         |        |          |
| 35) Dibromofluoromethane     | 7.908          | 113  | 191006              | 55.173  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 110.340% |         |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 684889              | 53.668  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 107.340% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 243119              | 54.285  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 108.560% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.985          | 85   | 53529               | 18.864  | ug/l   | 99       |
| 3) Chloromethane             | 2.209          | 50   | 65528               | 20.422  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.344          | 62   | 57376               | 19.555  | ug/l   | 98       |
| 5) Bromomethane              | 2.750          | 94   | 44214               | 21.180  | ug/l   | 98       |
| 6) Chloroethane              | 2.915          | 64   | 38164               | 21.159  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.267          | 101  | 97915               | 18.873  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.703          | 74   | 31749               | 22.271  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091          | 101  | 56715               | 18.322  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.291          | 142  | 68527               | 20.519  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.203          | 59   | 38635m              | 79.345  | ug/l   |          |
| 12) 1,1-Dichloroethene       | 4.067          | 96   | 54931               | 19.248  | ug/l   | 85       |
| 13) Acrolein                 | 3.914          | 56   | 28974               | 143.088 | ug/l   | 95       |
| 14) Allyl chloride           | 4.703          | 41   | 94528               | 20.520  | ug/l   | 91       |
| 15) Acrylonitrile            | 5.409          | 53   | 80393               | 123.322 | ug/l   | 99       |
| 16) Acetone                  | 4.156          | 43   | 60500               | 111.295 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.409          | 76   | 177607              | 18.773  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.720          | 43   | 42753               | 28.283  | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 148953              | 22.910  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.967          | 84   | 102923              | 28.101  | ug/l   | 86       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 71980               | 20.860  | ug/l   | 86       |
| 22) Diisopropyl ether        | 6.361          | 45   | 218341              | 22.610  | ug/l   | 93       |
| 23) Vinyl Acetate            | 6.303          | 43   | 584472              | 113.466 | ug/l # | 95       |
| 24) 1,1-Dichloroethane       | 6.261          | 63   | 134531              | 21.703  | ug/l   | 96       |
| 25) 2-Butanone               | 7.208          | 43   | 92843               | 116.738 | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 7.203          | 77   | 94662               | 17.907  | ug/l   | 92       |
| 27) cis-1,2-Dichloroethene   | 7.208          | 96   | 84358               | 22.094  | ug/l   | 88       |
| 28) Bromochloromethane       | 7.538          | 49   | 46382               | 21.719  | ug/l   | 84       |
| 29) Tetrahydrofuran          | 7.555          | 42   | 63118               | 122.735 | ug/l   | 95       |
| 30) Chloroform               | 7.702          | 83   | 143943              | 22.243  | ug/l   | 95       |
| 31) Cyclohexane              | 7.973          | 56   | 93414               | 17.033  | ug/l # | 87       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 111242              | 19.654  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 91957               | 17.661  | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.291          | 43   | 46887               | 22.798  | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 97457               | 18.465  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.349          | 83   | 93705               | 16.149  | ug/l   | 98       |
| 40) Benzene                  | 8.344          | 78   | 301095              | 20.065  | ug/l   | 100      |

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Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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Manual Integrations  
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Reviewed By :Krupa Patel 05/24/2022  
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 21 06:34:45 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) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 21656    | 18.073  | ug/l # | 81       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 92903    | 22.250  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 81722    | 21.498  | ug/l # | 90       |
| 44) Trichloroethene           | 9.102  | 130  | 78297    | 19.567  | ug/l   | 85       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 78618    | 20.804  | ug/l   | 94       |
| 46) Dibromomethane            | 9.467  | 93   | 43790    | 21.098  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.655  | 83   | 110614   | 20.829  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.449  | 41   | 38124    | 19.934  | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 8826     | 411.775 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 223246   | 113.072 | ug/l   | 95       |
| 52) Toluene                   | 10.396 | 92   | 191599   | 20.206  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 96466    | 20.107  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 116870   | 20.356  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 60901    | 21.699  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 67244    | 21.549  | ug/l # | 85       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 101592   | 21.573  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 139034   | 107.288 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.979 | 43   | 146310   | 112.401 | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.126 | 129  | 76665    | 21.906  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.232 | 107  | 60794    | 22.668  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.867 | 164  | 61642    | 18.441  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.661 | 112  | 209564   | 20.017  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 78382    | 20.187  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.738 | 91   | 340707   | 18.538  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.843 | 106  | 276088   | 38.666  | ug/l   | 99       |
| 69) o-Xylene                  | 12.167 | 106  | 125282   | 19.099  | ug/l   | 98       |
| 70) Styrene                   | 12.185 | 104  | 229056   | 20.296  | ug/l   | 97       |
| 71) Bromoform                 | 12.349 | 173  | 43144    | 21.590  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 324143   | 18.198  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 78369    | 20.169  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 72093    | 21.946  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 55325m   | 22.568  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 82692    | 19.722  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.808 | 91   | 412030   | 18.426  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 242707   | 18.799  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 287486   | 19.054  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 19664    | 19.257  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.990 | 91   | 264290   | 19.530  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.208 | 119  | 222527   | 17.499  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 286636   | 19.230  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.390 | 105  | 344642   | 17.750  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 280099   | 17.697  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 165418   | 19.573  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 166806   | 19.553  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.826 | 91   | 258584   | 17.146  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 64032    | 19.552  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 147462   | 20.166  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 10394    | 20.661  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 79182    | 19.073  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 40483    | 17.305  | ug/l   | 98       |
| 95) Naphthalene               | 15.379 | 128  | 143855   | 19.890  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 70922    | 19.270  | ug/l   | 98       |

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ALS Vial : 30 Sample Multiplier: 1

Instrument :  
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VD0520SBSD02

Manual Integrations  
APPROVED

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

Quant Time: May 21 06:34:45 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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