

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD112122\  
 Data File : VD075001.D  
 Acq On : 21 Nov 2022 14:01  
 Operator : VA/SY  
 Sample : VD1121SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1121SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 11/22/2022  
 Supervised By :Mahesh Dadoda 11/25/2022

Quant Time: Nov 22 00:18:08 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

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 137473              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 229759              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 212054              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 99210               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 54208               | 60.600  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 121.200% |         |        |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 82040               | 57.925  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 115.860% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 241655              | 51.798  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 103.600% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 81810               | 57.107  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 114.220% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.928          | 85   | 25620               | 26.717  | ug/l   | 94       |
| 3) Chloromethane             | 2.146          | 50   | 44154               | 29.079  | ug/l   | 92       |
| 4) Vinyl Chloride            | 2.281          | 62   | 49604               | 25.733  | ug/l   | 98       |
| 5) Bromomethane              | 2.675          | 94   | 36693               | 24.851  | ug/l   | 99       |
| 6) Chloroethane              | 2.828          | 64   | 36417               | 25.726  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.169          | 101  | 58071               | 26.440  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.593          | 74   | 15902               | 25.253  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964          | 101  | 36414               | 25.981  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.164          | 142  | 30071               | 21.089  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.063          | 59   | 10398               | 150.081 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 3.934          | 96   | 34747               | 25.451  | ug/l   | 99       |
| 13) Acrolein                 | 3.793          | 56   | 6332                | 154.337 | ug/l   | 96       |
| 14) Allyl chloride           | 4.558          | 41   | 37596               | 25.745  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.258          | 53   | 31721               | 128.903 | ug/l   | 99       |
| 16) Acetone                  | 4.022          | 43   | 28678               | 126.366 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.269          | 76   | 92126               | 23.721  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.569          | 43   | 17059               | 27.877  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 68391               | 25.022  | ug/l   | 95       |
| 20) Methylene Chloride       | 4.805          | 84   | 60863               | 24.947  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.305          | 96   | 38747               | 25.028  | ug/l   | 87       |
| 22) Diisopropyl ether        | 6.216          | 45   | 86182               | 26.478  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.158          | 43   | 185580              | 132.845 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.110          | 63   | 63347               | 26.061  | ug/l   | 98       |
| 25) 2-Butanone               | 7.087          | 43   | 36973               | 124.585 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 58217               | 25.486  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 44917               | 26.152  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.428          | 49   | 19409               | 24.751  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 21216               | 129.154 | ug/l   | 96       |
| 30) Chloroform               | 7.599          | 83   | 70311               | 26.413  | ug/l   | 100      |
| 31) Cyclohexane              | 7.875          | 56   | 42546               | 21.228  | ug/l # | 93       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 59456               | 25.916  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.004          | 75   | 41865               | 20.113  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169          | 43   | 16931               | 24.240  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 38743               | 19.774  | ug/l   | 92       |
| 39) Methylcyclohexane        | 9.275          | 83   | 49335               | 22.124  | ug/l   | 96       |
| 40) Benzene                  | 8.252          | 78   | 128436              | 21.459  | ug/l   | 98       |

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 Sample : VD1121SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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Manual Integrations  
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Reviewed By :Krupa Patel 11/22/2022  
 Supervised By :Mahesh Dadoda 11/25/2022

Quant Time: Nov 22 00:18:08 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

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 8276     | 22.341  | ug/l # | 94       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 30690    | 21.426  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 25288    | 20.556  | ug/l # | 79       |
| 44) Trichloroethene           | 9.028  | 130  | 35747    | 22.607  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.310  | 63   | 30100    | 22.382  | ug/l   | 94       |
| 46) Dibromomethane            | 9.393  | 93   | 16885    | 22.419  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.587  | 83   | 42911    | 22.957  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.381  | 41   | 12025    | 22.066  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 3747     | 507.007 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 66935    | 114.133 | ug/l   | 95       |
| 52) Toluene                   | 10.334 | 92   | 83591    | 23.358  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 38047    | 23.042  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 46007    | 22.720  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 24472    | 23.368  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 25133    | 21.524  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 39801    | 23.640  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 48701    | 121.333 | ug/l   | 95       |
| 59) 2-Hexanone                | 10.922 | 43   | 47882    | 117.119 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.075 | 129  | 28957    | 23.308  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 21846    | 22.305  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.810 | 164  | 30758    | 21.634  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.604 | 112  | 91288    | 22.006  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 31324    | 21.551  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.687 | 91   | 155805   | 21.558  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.793 | 106  | 125107   | 43.417  | ug/l   | 99       |
| 69) o-Xylene                  | 12.122 | 106  | 56673    | 21.377  | ug/l   | 100      |
| 70) Styrene                   | 12.140 | 104  | 100939   | 22.212  | ug/l   | 99       |
| 71) Bromoform                 | 12.298 | 173  | 15812    | 21.020  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.422 | 105  | 153328   | 22.454  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.234 | 43   | 24663    | 21.952  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 25975    | 21.505  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 14660m   | 17.667  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 36328    | 22.733  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.763 | 91   | 189457   | 22.571  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 102412   | 22.644  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 129770   | 22.808  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 7427     | 22.018  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 109588   | 23.268  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 109665   | 22.213  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 128801   | 22.888  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.345 | 105  | 173579   | 23.114  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 142417   | 22.807  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 73274    | 22.043  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 74249    | 22.505  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.787 | 91   | 131461   | 22.676  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 24700    | 22.085  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 63610    | 22.503  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 3360     | 20.176  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 38262    | 22.237  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 19748    | 22.250  | ug/l   | 98       |
| 95) Naphthalene               | 15.334 | 128  | 68430    | 21.427  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 32534    | 21.864  | ug/l   | 97       |

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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Reviewed By :Krupa Patel 11/22/2022  
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Quant Title : SW846 8260  
QLast Update : Mon Nov 14 00:51:58 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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