

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060123\  
 Data File : VD076304.D  
 Acq On : 01 Jun 2023 18:37  
 Operator : KP/SY  
 Sample : VSTDICC020  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 06/02/2023  
 Supervised By :Mahesh Dadoda 06/02/2023

Quant Time: Jun 02 05:36:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 05:32:50 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.869          | 168  | 171674     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 316969     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 303393     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 162501     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 37678      | 22.520   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 45.040%# |        |          |
| 35) Dibromofluoromethane     | 7.799          | 113  | 42491      | 20.308   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 40.620%# |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 159605     | 19.784   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 39.560%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 46464      | 20.649   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 41.300%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 29732      | 19.015   | ug/l   | 98       |
| 3) Chloromethane             | 2.146          | 50   | 83672      | 22.658   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.275          | 62   | 84141      | 20.394   | ug/l   | 97       |
| 5) Bromomethane              | 2.664          | 94   | 40152      | 18.183   | ug/l   | 100      |
| 6) Chloroethane              | 2.816          | 64   | 57616      | 21.045   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.158          | 101  | 54893      | 19.395   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.593          | 74   | 22061      | 21.969   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 3.952          | 101  | 34718      | 18.852   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.152          | 142  | 43646      | 20.273   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.063          | 59   | 12196      | 114.505  | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 3.928          | 96   | 38780      | 20.279   | ug/l   | 97       |
| 13) Acrolein                 | 3.793          | 56   | 16049      | 140.667  | ug/l   | 95       |
| 14) Allyl chloride           | 4.546          | 41   | 41238      | 21.765   | ug/l   | 97       |
| 15) Acrylonitrile            | 5.258          | 53   | 47863      | 115.245  | ug/l   | 99       |
| 16) Acetone                  | 4.022          | 43   | 32510      | 115.895  | ug/l # | 86       |
| 17) Carbon Disulfide         | 4.258          | 76   | 129069     | 20.271   | ug/l   | 98       |
| 18) Methyl Acetate           | 4.558          | 43   | 32814      | 23.286   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 83527      | 21.645   | ug/l   | 98       |
| 20) Methylene Chloride       | 4.793          | 84   | 64170      | 24.063   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.305          | 96   | 47032      | 21.166   | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.210          | 45   | 102346     | 22.759   | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.152          | 43   | 233305     | 110.134  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.105          | 63   | 77208      | 21.912   | ug/l   | 97       |
| 25) 2-Butanone               | 7.087          | 43   | 51352      | 117.628  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.069          | 77   | 58248      | 20.921   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 7.075          | 96   | 52164      | 21.424   | ug/l   | 98       |
| 28) Bromochloromethane       | 7.422          | 49   | 31760      | 23.427   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.440          | 42   | 31029      | 115.669  | ug/l   | 99       |
| 30) Chloroform               | 7.593          | 83   | 82532      | 22.264   | ug/l   | 99       |
| 31) Cyclohexane              | 7.869          | 56   | 47798      | 18.560   | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.787          | 97   | 59990      | 20.710   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.004          | 75   | 54207      | 18.734   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169          | 43   | 21282      | 19.397   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.987          | 117  | 45264      | 18.165   | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.275          | 83   | 51358      | 15.753   | ug/l   | 95       |
| 40) Benzene                  | 8.246          | 78   | 183849     | 20.019   | ug/l   | 94       |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
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Reviewed By :Krupa Patel 06/02/2023  
 Supervised By :Mahesh Dadoda 06/02/2023

Quant Time: Jun 02 05:36:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060123S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 02 05:32:50 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.404  | 41   | 11925m   | 21.544  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 46527    | 20.846  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 40333    | 20.416  | ug/l   | 100      |
| 44) Trichloroethene           | 9.028  | 130  | 47635    | 18.770  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.298  | 63   | 45354    | 20.459  | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 27783    | 21.356  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.581  | 83   | 62932    | 20.648  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 16581    | 19.549  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 6667     | 423.274 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 110233   | 105.468 | ug/l   | 98       |
| 52) Toluene                   | 10.334 | 92   | 114111   | 20.303  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 58434    | 20.503  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 67974    | 20.190  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 39454    | 21.304  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 38764    | 20.046  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 61249    | 20.970  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 67965    | 85.286  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.922 | 43   | 72071    | 103.602 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.069 | 129  | 43769    | 20.623  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 35030    | 20.472  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 38942    | 18.016  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.604 | 112  | 130337   | 19.983  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 44597    | 19.762  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.687 | 91   | 194072   | 18.624  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.792 | 106  | 166314   | 38.581  | ug/l   | 97       |
| 69) o-Xylene                  | 12.122 | 106  | 74598    | 18.862  | ug/l   | 97       |
| 70) Styrene                   | 12.134 | 104  | 139191   | 20.392  | ug/l   | 100      |
| 71) Bromoform                 | 12.298 | 173  | 26916    | 21.055  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 175207   | 17.701  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 36965    | 19.111  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 45807    | 20.289  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 30312m   | 20.680  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 52165    | 19.063  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.763 | 91   | 224899   | 18.202  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 130263   | 18.900  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 153612   | 18.645  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 12774    | 20.044  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 143396   | 19.406  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 124045   | 17.722  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 158430   | 18.840  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 188210   | 17.693  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 160381   | 18.029  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 108491   | 19.586  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 111734   | 19.863  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.786 | 91   | 141202   | 17.282  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 34114    | 18.963  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 97176    | 19.940  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 6115     | 20.946  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 51370    | 18.419  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 22129    | 16.929  | ug/l   | 96       |
| 95) Naphthalene               | 15.333 | 128  | 100459   | 18.734  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 47321    | 18.482  | ug/l   | 99       |

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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 06/02/2023  
Supervised By :Mahesh Dadoda 06/02/2023

Quant Time: Jun 02 05:36:01 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060123S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 02 05:32:50 2023  
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

