

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD021023\  
 Data File : VD075305.D  
 Acq On : 10 Feb 2023 11:13  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 02/13/2023  
 Supervised By :Mahesh Dadoda 02/13/2023

Quant Time: Feb 10 12:20:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 04:26:58 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 47985               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 80864               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 75453               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 38371               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 31634               | 56.222  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 112.440% |         |        |          |
| 35) Dibromofluoromethane     | 7.810          | 113  | 29894               | 52.722  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 105.440% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 109618              | 50.977  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 101.960% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 36660               | 51.704  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 103.400% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 19096               | 49.418  | ug/l   | 100      |
| 3) Chloromethane             | 2.146          | 50   | 33258               | 50.053  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.281          | 62   | 36863               | 46.176  | ug/l   | 98       |
| 5) Bromomethane              | 2.687          | 94   | 24928               | 48.804  | ug/l   | 99       |
| 6) Chloroethane              | 2.834          | 64   | 26432               | 47.995  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 48384               | 48.745  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.593          | 74   | 14163               | 53.079  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.969          | 101  | 28612               | 50.797  | ug/l   | 100      |
| 10) Methyl Iodide            | 4.163          | 142  | 32121               | 47.190  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 5.063          | 59   | 8617                | 261.256 | ug/l # | 98       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 27059               | 50.383  | ug/l   | 90       |
| 13) Acrolein                 | 3.787          | 56   | 3495                | 191.854 | ug/l   | 85       |
| 14) Allyl chloride           | 4.563          | 41   | 45734               | 51.181  | ug/l   | 92       |
| 15) Acrylonitrile            | 5.257          | 53   | 34496               | 280.034 | ug/l   | 99       |
| 16) Acetone                  | 4.022          | 43   | 43476               | 292.217 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.269          | 76   | 77771               | 46.937  | ug/l   | 95       |
| 18) Methyl Acetate           | 4.563          | 43   | 21461               | 54.516  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.310          | 73   | 68199               | 55.309  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.799          | 84   | 35717               | 57.939  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 31751               | 52.244  | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.216          | 45   | 99218               | 55.823  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.157          | 43   | 204996m             | 334.256 | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.116          | 63   | 59758               | 53.928  | ug/l   | 99       |
| 25) 2-Butanone               | 7.081          | 43   | 51361               | 278.606 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 51319               | 52.321  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 36220               | 53.270  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.422          | 49   | 15857               | 57.981  | ug/l   | 90       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 28539               | 287.489 | ug/l   | 94       |
| 30) Chloroform               | 7.599          | 83   | 63868               | 55.998  | ug/l   | 99       |
| 31) Cyclohexane              | 7.875          | 56   | 46833               | 46.875  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 53625               | 52.563  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 43706               | 49.482  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.163          | 43   | 21178               | 54.976  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 42791               | 52.282  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.275          | 83   | 50035               | 48.940  | ug/l   | 98       |
| 40) Benzene                  | 8.251          | 78   | 127969              | 51.549  | ug/l   | 98       |

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 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

Manual Integrations  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.410  | 41   | 11860    | 51.610  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 38657    | 53.786  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 38987    | 52.966  | ug/l   | 98       |
| 44) Trichloroethene           | 9.028  | 130  | 34154    | 49.910  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 33227    | 52.702  | ug/l   | 98       |
| 46) Dibromomethane            | 9.393  | 93   | 18634    | 53.334  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.581  | 83   | 47352    | 54.456  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.381  | 41   | 18569    | 53.120  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 3104     | 932.908 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 103598   | 278.395 | ug/l   | 95       |
| 52) Toluene                   | 10.334 | 92   | 82139    | 52.531  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 43975    | 58.385  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 51281    | 56.947  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 24568    | 55.085  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 29241    | 56.396  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 42611    | 56.084  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 48505    | 315.097 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.922 | 43   | 76749    | 282.301 | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.075 | 129  | 30839    | 55.810  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 22671    | 52.717  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 27949    | 48.094  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.610 | 112  | 86369    | 50.758  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 33171    | 53.544  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.687 | 91   | 161283   | 51.340  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.798 | 106  | 125726   | 105.212 | ug/l   | 100      |
| 69) o-Xylene                  | 12.122 | 106  | 57375    | 51.401  | ug/l   | 94       |
| 70) Styrene                   | 12.139 | 104  | 103146   | 54.551  | ug/l   | 99       |
| 71) Bromoform                 | 12.298 | 173  | 17922    | 53.857  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 155941   | 50.166  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 37756    | 54.052  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 28276    | 52.284  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 22248m   | 51.046  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 35622    | 50.607  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.763 | 91   | 193329   | 49.983  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 108364   | 51.076  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 134056   | 51.794  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 7940     | 58.752  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 111733   | 50.486  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 110393   | 49.473  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 130765   | 50.584  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.345 | 105  | 172338   | 50.346  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 145238   | 51.868  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 72924    | 51.257  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 72000    | 50.576  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.792 | 91   | 137818   | 50.414  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.057 | 117  | 28081    | 50.867  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 63914    | 51.775  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 4512     | 53.790  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 38226    | 49.443  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 19756    | 48.433  | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 74050    | 51.459  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 34625    | 51.906  | ug/l   | 99       |

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Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 02/13/2023  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

