

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020525\  
 Data File : VY021100.D  
 Acq On : 05 Feb 2025 19:40  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Feb 06 00:59:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 02/06/2025  
 Supervised By :Mahesh Dadoda 02/06/2025

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 212270              | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 348682              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.420         | 117  | 306917              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.353         | 152  | 148320              | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 113197              | 52.048  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 104.100% |         |       |          |
| 35) Dibromofluoromethane     | 7.640          | 113  | 109262              | 48.896  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 97.800%  |         |       |          |
| 50) Toluene-d8               | 10.109         | 98   | 404094              | 47.500  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 95.000%  |         |       |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 139094              | 50.047  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 100.100% |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 88909               | 46.994  | ug/l  | 98       |
| 3) Chloromethane             | 2.074          | 50   | 97256               | 52.095  | ug/l  | 100      |
| 4) Vinyl Chloride            | 2.208          | 62   | 97893               | 52.096  | ug/l  | 100      |
| 5) Bromomethane              | 2.598          | 94   | 64167               | 55.250  | ug/l  | 99       |
| 6) Chloroethane              | 2.739          | 64   | 64446               | 57.614  | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 3.062          | 101  | 171630              | 50.134  | ug/l  | 98       |
| 8) Diethyl Ether             | 3.458          | 74   | 60337               | 56.458  | ug/l  | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 104754              | 48.755  | ug/l  | 95       |
| 10) Methyl Iodide            | 4.007          | 142  | 127809              | 53.543  | ug/l  | 95       |
| 11) Tert butyl alcohol       | 4.860          | 59   | 40179               | 272.619 | ug/l  | 98       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 102564              | 50.675  | ug/l  | 91       |
| 13) Acrolein                 | 3.653          | 56   | 51943               | 228.874 | ug/l  | 97       |
| 14) Allyl chloride           | 4.391          | 41   | 178726              | 52.396  | ug/l  | 97       |
| 15) Acrylonitrile            | 5.061          | 53   | 129657              | 291.346 | ug/l  | 99       |
| 16) Acetone                  | 3.873          | 43   | 95767               | 282.359 | ug/l  | 96       |
| 17) Carbon Disulfide         | 4.110          | 76   | 319324              | 50.314  | ug/l  | 99       |
| 18) Methyl Acetate           | 4.385          | 43   | 74879               | 62.891  | ug/l  | 98       |
| 19) Methyl tert-butyl Ether  | 5.122          | 73   | 300185              | 58.680  | ug/l  | 98       |
| 20) Methylene Chloride       | 4.622          | 84   | 115847              | 54.944  | ug/l  | 94       |
| 21) trans-1,2-Dichloroethene | 5.122          | 96   | 116597              | 52.336  | ug/l  | 95       |
| 22) Diisopropyl ether        | 6.025          | 45   | 388839              | 55.304  | ug/l  | 97       |
| 23) Vinyl Acetate            | 5.964          | 43   | 1097320             | 279.967 | ug/l  | 100      |
| 24) 1,1-Dichloroethane       | 5.921          | 63   | 219132              | 53.196  | ug/l  | 98       |
| 25) 2-Butanone               | 6.896          | 43   | 167740              | 300.963 | ug/l  | 97       |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 176612              | 46.336  | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 140360              | 54.735  | ug/l  | 97       |
| 28) Bromochloromethane       | 7.250          | 49   | 84105               | 51.633  | ug/l  | 98       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 113585              | 301.179 | ug/l  | 97       |
| 30) Chloroform               | 7.427          | 83   | 228176              | 53.927  | ug/l  | 98       |
| 31) Cyclohexane              | 7.701          | 56   | 174416              | 47.018  | ug/l  | 97       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 199368              | 50.680  | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 7.841          | 75   | 155895              | 47.101  | ug/l  | 99       |
| 37) Ethyl Acetate            | 6.988          | 43   | 78266               | 53.903  | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 180300              | 46.621  | ug/l  | 98       |
| 39) Methylcyclohexane        | 9.109          | 83   | 193778              | 47.864  | ug/l  | 98       |
| 40) Benzene                  | 8.085          | 78   | 489209              | 50.366  | ug/l  | 100      |

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 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Manual Integrations  
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Reviewed By :Romaben Patel 02/06/2025  
 Supervised By :Mahesh Dadoda 02/06/2025

Quant Time: Feb 06 00:59:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 44079    | 52.474   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 138529   | 51.413   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 157173   | 54.477   | ug/l   | 98       |
| 44) Trichloroethene           | 8.872  | 130  | 122179   | 48.687   | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 118504   | 51.402   | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 65803    | 51.551   | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.426  | 83   | 176895   | 51.673   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.225  | 41   | 75901    | 57.755   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 14744    | 1240.777 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 410481   | 282.927  | ug/l   | 99       |
| 52) Toluene                   | 10.176 | 92   | 311115   | 51.012   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 164055   | 53.370   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 187639   | 51.555   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.579 | 97   | 87972    | 53.221   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.445 | 69   | 127016   | 57.440   | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 151683   | 53.017   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 303330   | 288.337  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 272951   | 292.196  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 122579   | 52.806   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 84067    | 54.298   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.652 | 164  | 106493   | 46.740   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.444 | 112  | 335604   | 49.108   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 120644   | 49.676   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.524 | 91   | 589890   | 48.801   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.633 | 106  | 443184   | 98.007   | ug/l   | 98       |
| 69) o-Xylene                  | 11.957 | 106  | 212990   | 50.520   | ug/l   | 97       |
| 70) Styrene                   | 11.975 | 104  | 363091   | 51.673   | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 71703    | 53.042   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.261 | 105  | 558411   | 48.198   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 138954   | 54.857   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 99796    | 51.792   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 68270m   | 50.742   | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 133319   | 49.864   | ug/l   | 93       |
| 78) n-propylbenzene           | 12.597 | 91   | 649136   | 47.034   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 381612   | 48.276   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 453111   | 48.237   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 32102    | 48.685   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 384471   | 47.738   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 400599   | 46.918   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105  | 453274   | 49.351   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.182 | 105  | 570605   | 46.426   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.298 | 119  | 480665   | 47.080   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 249968   | 48.421   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 245176   | 48.235   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 435798   | 46.790   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.883 | 117  | 98830    | 46.402   | ug/l   | 82       |
| 91) 1,2-Dichlorobenzene       | 13.664 | 146  | 222774   | 49.718   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 15802    | 54.879   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 133738   | 53.622   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 79191    | 47.914   | ug/l   | 99       |
| 95) Naphthalene               | 15.151 | 128  | 288773   | 72.370   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 115192   | 55.499   | ug/l   | 96       |

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ALS Vial : 28 Sample Multiplier: 1

Instrument :  
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VSTDCCC050EC

Manual Integrations  
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Supervised By :Mahesh Dadoda 02/06/2025

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QLast Update : Mon Feb 03 13:08:38 2025  
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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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