

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021725\  
 Data File : VY021213.D  
 Acq On : 17 Feb 2025 10:06  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Feb 18 00:43:55 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 02/18/2025  
 Supervised By :Mahesh Dadoda 02/18/2025

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.719          | 168  | 132619              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.628          | 114  | 201801              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.426         | 117  | 175510              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.359         | 152  | 85309               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.073          | 65   | 68619               | 50.500  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 101.000% |         |        |          |
| 35) Dibromofluoromethane     | 7.646          | 113  | 65146               | 50.373  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 100.740% |         |        |          |
| 50) Toluene-d8               | 10.115         | 98   | 250878              | 50.954  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 101.900% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.414         | 95   | 84737               | 52.680  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 105.360% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.873          | 85   | 61715               | 52.212  | ug/l   | 97       |
| 3) Chloromethane             | 2.080          | 50   | 63477               | 54.422  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.214          | 62   | 65154               | 55.498  | ug/l   | 99       |
| 5) Bromomethane              | 2.611          | 94   | 38444               | 52.982  | ug/l   | 98       |
| 6) Chloroethane              | 2.751          | 64   | 38590               | 55.219  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.074          | 101  | 112988              | 52.827  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.464          | 74   | 33154               | 49.655  | ug/l   | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 3.836          | 101  | 70228               | 52.317  | ug/l   | 95       |
| 10) Methyl Iodide            | 4.019          | 142  | 78769               | 52.818  | ug/l   | 92       |
| 11) Tert butyl alcohol       | 4.885          | 59   | 20074               | 218.009 | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 3.805          | 96   | 65291               | 51.634  | ug/l   | 87       |
| 13) Acrolein                 | 3.671          | 56   | 17439               | 122.991 | ug/l   | 97       |
| 14) Allyl chloride           | 4.403          | 41   | 116030              | 54.446  | ug/l   | 94       |
| 15) Acrylonitrile            | 5.073          | 53   | 74827               | 269.125 | ug/l   | 98       |
| 16) Acetone                  | 3.885          | 43   | 64826               | 305.927 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.122          | 76   | 191226              | 48.227  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.397          | 43   | 41603               | 55.928  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.128          | 73   | 171505              | 53.662  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.635          | 84   | 69729               | 52.934  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.134          | 96   | 72407               | 52.021  | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.031          | 45   | 246129              | 56.032  | ug/l   | 98       |
| 23) Vinyl Acetate            | 5.976          | 43   | 677857              | 276.818 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 5.927          | 63   | 139179              | 54.079  | ug/l   | 98       |
| 25) 2-Butanone               | 6.909          | 43   | 96389               | 276.814 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 6.902          | 77   | 131859              | 55.372  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.902          | 96   | 85855               | 53.589  | ug/l   | 93       |
| 28) Bromochloromethane       | 7.256          | 49   | 56126               | 55.151  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.274          | 42   | 64200               | 272.472 | ug/l   | 93       |
| 30) Chloroform               | 7.433          | 83   | 146096              | 55.266  | ug/l   | 100      |
| 31) Cyclohexane              | 7.713          | 56   | 117137              | 50.543  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.628          | 97   | 136147              | 55.395  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 7.847          | 75   | 105191              | 54.914  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.000          | 43   | 45271               | 53.872  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.829          | 117  | 124742              | 55.732  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.115          | 83   | 126999              | 54.201  | ug/l   | 96       |
| 40) Benzene                  | 8.091          | 78   | 310527              | 55.239  | ug/l   | 98       |

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 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 02/18/2025  
 Supervised By :Mahesh Dadoda 02/18/2025

Quant Time: Feb 18 00:43:55 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         | 7.232  | 41   | 23531    | 48.401   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.171  | 62   | 86633    | 55.555   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.207  | 43   | 92483    | 55.387   | ug/l   | 96       |
| 44) Trichloroethene           | 8.878  | 130  | 77228    | 53.174   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.152  | 63   | 74301    | 55.687   | ug/l   | 98       |
| 46) Dibromomethane            | 9.243  | 93   | 40185    | 54.395   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.432  | 83   | 109543   | 55.289   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.231  | 41   | 44432    | 58.417   | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.243  | 88   | 7080     | 1029.480 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone      | 10.006 | 43   | 230869   | 274.949  | ug/l   | 97       |
| 52) Toluene                   | 10.182 | 92   | 196847   | 55.768   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.402 | 75   | 99811    | 56.104   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.865  | 75   | 118200   | 56.114   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.579 | 97   | 52417    | 54.792   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.451 | 69   | 71321    | 55.729   | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.725 | 76   | 92214    | 55.691   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.719  | 63   | 166427   | 273.348  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.768 | 43   | 154889   | 286.494  | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.920 | 129  | 73829    | 54.954   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.024 | 107  | 47330    | 52.820   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.658 | 164  | 69679    | 53.480   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.450 | 112  | 211219   | 54.047   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131  | 76225    | 54.885   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.530 | 91   | 386777   | 55.955   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.639 | 106  | 285870   | 110.551  | ug/l   | 96       |
| 69) o-Xylene                  | 11.963 | 106  | 135642   | 56.263   | ug/l   | 97       |
| 70) Styrene                   | 11.981 | 104  | 229257   | 57.054   | ug/l   | 98       |
| 71) Bromoform                 | 12.139 | 173  | 41518    | 53.708   | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.261 | 105  | 371492   | 55.747   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.078 | 43   | 79146    | 54.325   | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83   | 58673    | 52.941   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.566 | 75   | 38890m   | 50.255   | ug/l   |          |
| 77) Bromobenzene              | 12.542 | 156  | 81338    | 52.893   | ug/l   | 96       |
| 78) n-propylbenzene           | 12.603 | 91   | 446869   | 56.294   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.688 | 91   | 249029   | 54.773   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.749 | 105  | 303783   | 56.227   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.316 | 75   | 20669    | 54.499   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.786 | 91   | 253914   | 54.814   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.005 | 119  | 271230   | 55.230   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.054 | 105  | 299137   | 56.626   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.188 | 105  | 398052   | 56.308   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.304 | 119  | 333365   | 56.770   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.298 | 146  | 160277   | 53.979   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.377 | 146  | 154124   | 52.718   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.627 | 91   | 309156   | 57.710   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.889 | 117  | 67961    | 55.477   | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 13.669 | 146  | 138968   | 53.923   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75   | 8577     | 51.788   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.931 | 180  | 79481    | 55.406   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.035 | 225  | 53251    | 56.017   | ug/l   | 99       |
| 95) Naphthalene               | 15.157 | 128  | 127436   | 55.527   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.340 | 180  | 65571    | 54.926   | ug/l   | 99       |

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :  
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Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 02/18/2025  
Supervised By :Mahesh Dadoda 02/18/2025

Quant Time: Feb 18 00:43:55 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

