

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY123024\  
 Data File : VY020753.D  
 Acq On : 30 Dec 2024 13:54  
 Operator : SY/MD  
 Sample : VY1230SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1230SBS01

Quant Time: Dec 31 00:37:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122624S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 26 16:12:28 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/31/2024  
 Supervised By :Semsettin Yesilyurt 12/31/2024

| Compound                     | R.T.     | QIon  | Response | Conc    | Units    | Dev(Min) |
|------------------------------|----------|-------|----------|---------|----------|----------|
| -----                        |          |       |          |         |          |          |
| Internal Standards           |          |       |          |         |          |          |
| 1) Pentafluorobenzene        | 7.707    | 168   | 157331   | 50.000  | ug/l     | -0.02    |
| 34) 1,4-Difluorobenzene      | 8.615    | 114   | 236363   | 50.000  | ug/l     | -0.01    |
| 63) Chlorobenzene-d5         | 11.414   | 117   | 204202   | 50.000  | ug/l     | -0.01    |
| 72) 1,4-Dichlorobenzene-d4   | 13.346   | 152   | 106862   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds  |          |       |          |         |          |          |
| 33) 1,2-Dichloroethane-d4    | 8.061    | 65    | 71279    | 55.311  | ug/l     | -0.01    |
| Spiked Amount 50.000         | Range 50 | - 163 | Recovery | =       | 110.620% |          |
| 35) Dibromofluoromethane     | 7.634    | 113   | 67492    | 51.840  | ug/l     | -0.01    |
| Spiked Amount 50.000         | Range 54 | - 147 | Recovery | =       | 103.680% |          |
| 50) Toluene-d8               | 10.103   | 98    | 262842   | 50.742  | ug/l     | -0.01    |
| Spiked Amount 50.000         | Range 58 | - 134 | Recovery | =       | 101.480% |          |
| 62) 4-Bromofluorobenzene     | 12.407   | 95    | 90781    | 52.468  | ug/l     | 0.00     |
| Spiked Amount 50.000         | Range 29 | - 146 | Recovery | =       | 104.940% |          |
| Target Compounds             |          |       |          |         |          |          |
|                              |          |       |          |         | Qvalue   |          |
| 2) Dichlorodifluoromethane   | 1.861    | 85    | 23740    | 19.170  | ug/l     | 99       |
| 3) Chloromethane             | 2.068    | 50    | 10965    | 23.742  | ug/l     | 99       |
| 4) Vinyl Chloride            | 2.202    | 62    | 11724    | 20.488  | ug/l     | 99       |
| 5) Bromomethane              | 2.586    | 94    | 8810     | 20.391  | ug/l     | 86       |
| 6) Chloroethane              | 2.726    | 64    | 7738     | 22.542  | ug/l     | 100      |
| 7) Trichlorofluoromethane    | 3.055    | 101   | 37665    | 17.116  | ug/l     | 93       |
| 8) Diethyl Ether             | 3.452    | 74    | 12416    | 23.711  | ug/l     | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818    | 101   | 25759    | 21.322  | ug/l     | 98       |
| 10) Methyl Iodide            | 4.000    | 142   | 26273    | 19.888  | ug/l     | 93       |
| 11) Tert butyl alcohol       | 4.860    | 59    | 11173    | 128.746 | ug/l     | 99       |
| 12) 1,1-Dichloroethene       | 3.787    | 96    | 23252    | 21.624  | ug/l     | 91       |
| 13) Acrolein                 | 3.647    | 56    | 4550     | 168.899 | ug/l     | 98       |
| 14) Allyl chloride           | 4.378    | 41    | 30633    | 24.345  | ug/l     | 86       |
| 15) Acrylonitrile            | 5.061    | 53    | 26923    | 133.094 | ug/l     | 97       |
| 16) Acetone                  | 3.866    | 43    | 19289    | 117.988 | ug/l     | 94       |
| 17) Carbon Disulfide         | 4.104    | 76    | 54047    | 20.490  | ug/l     | 98       |
| 18) Methyl Acetate           | 4.385    | 43    | 12428    | 28.088  | ug/l     | 100      |
| 19) Methyl tert-butyl Ether  | 5.116    | 73    | 67409    | 22.492  | ug/l     | 97       |
| 20) Methylene Chloride       | 4.610    | 84    | 25186    | 23.687  | ug/l     | 95       |
| 21) trans-1,2-Dichloroethene | 5.110    | 96    | 25685    | 22.167  | ug/l     | 95       |
| 22) Diisopropyl ether        | 6.012    | 45    | 68242    | 26.678  | ug/l     | 94       |
| 23) Vinyl Acetate            | 5.957    | 43    | 201190   | 131.682 | ug/l     | 97       |
| 24) 1,1-Dichloroethane       | 5.909    | 63    | 45832    | 23.898  | ug/l     | 98       |
| 25) 2-Butanone               | 6.890    | 43    | 31629    | 143.223 | ug/l     | 92       |
| 26) 2,2-Dichloropropane      | 6.884    | 77    | 45923    | 19.564  | ug/l     | 98       |
| 27) cis-1,2-Dichloroethene   | 6.890    | 96    | 31299    | 22.556  | ug/l     | 99       |
| 28) Bromochloromethane       | 7.238    | 49    | 12707    | 25.055  | ug/l     | 92       |
| 29) Tetrahydrofuran          | 7.262    | 42    | 20607    | 152.020 | ug/l     | 93       |
| 30) Chloroform               | 7.414    | 83    | 53831    | 21.820  | ug/l     | 97       |
| 31) Cyclohexane              | 7.701    | 56    | 37125    | 22.427  | ug/l     | 96       |
| 32) 1,1,1-Trichloroethane    | 7.616    | 97    | 52214    | 19.745  | ug/l     | 100      |
| 36) 1,1-Dichloropropene      | 7.835    | 75    | 34297    | 19.943  | ug/l     | 97       |
| 37) Ethyl Acetate            | 6.982    | 43    | 15033    | 26.527  | ug/l     | 97       |
| 38) Carbon Tetrachloride     | 7.817    | 117   | 48553    | 17.145  | ug/l     | 94       |
| 39) Methylcyclohexane        | 9.109    | 83    | 43887    | 19.910  | ug/l     | 98       |
| 40) Benzene                  | 8.079    | 78    | 107952   | 21.659  | ug/l     | 97       |

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 MSVOA\_Y  
 ClientSampleId :  
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 Quant Title : SW846 8260  
 QLast Update : Thu Dec 26 16:12:28 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 12/31/2024  
 Supervised By :Semsettin Yesilyurt 12/31/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.213  | 41   | 7924     | 27.681  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.152  | 62   | 31670    | 19.816  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 29336    | 24.354  | ug/l # | 86       |
| 44) Trichloroethene           | 8.859  | 130  | 30049    | 20.185  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 23966    | 23.754  | ug/l   | 99       |
| 46) Dibromomethane            | 9.225  | 93   | 14940    | 21.402  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.420  | 83   | 40439    | 20.433  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.219  | 41   | 13576    | 24.135  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 3681     | 553.580 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 75244    | 129.419 | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 70934    | 20.765  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 36815    | 21.179  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 42039    | 22.064  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 20602    | 23.120  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 27382    | 23.391  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 33793    | 23.366  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 48399    | 118.563 | ug/l   | 94       |
| 59) 2-Hexanone                | 10.761 | 43   | 51237    | 133.475 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 29676    | 20.610  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 19357    | 23.086  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.646 | 164  | 27677    | 19.838  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.444 | 112  | 81085    | 20.279  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 30777    | 19.868  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.517 | 91   | 143085   | 20.475  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 111073   | 41.666  | ug/l   | 95       |
| 69) o-Xylene                  | 11.956 | 106  | 52260    | 20.519  | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 89284    | 20.882  | ug/l   | 97       |
| 71) Bromoform                 | 12.133 | 173  | 18814    | 21.125  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 143429   | 19.373  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 26360    | 25.055  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 22418    | 23.620  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 17174m   | 25.269  | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 34206    | 20.071  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.596 | 91   | 166277   | 20.038  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 95118    | 20.108  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 122128   | 19.799  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 7931     | 23.065  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 100311   | 20.519  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 110946   | 19.260  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.041 | 105  | 119707   | 19.943  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 155543   | 20.035  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 135564   | 19.594  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 67300    | 20.205  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 68267    | 20.603  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.621 | 91   | 118771   | 20.565  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.883 | 117  | 25805    | 19.614  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.663 | 146  | 59303    | 20.764  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 3935     | 21.377  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 38322    | 21.110  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 25895    | 19.572  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 63884    | 21.972  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 32334    | 21.392  | ug/l   | 98       |

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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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