

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020722\  
 Data File : VY007404.D  
 Acq On : 07 Feb 2022 11:29  
 Operator : SY/MD  
 Sample : VY0207SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0207SBS01

Quant Time: Feb 08 00:35:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2022  
 Supervised By :Mahesh Dadoda 02/08/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.795          | 168  | 131443              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.697          | 114  | 222122              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.495         | 117  | 193966              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 85594               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.142          | 65   | 79056               | 52.289  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 104.580% |         |        |          |
| 35) Dibromofluoromethane     | 7.722          | 113  | 69724               | 48.884  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 97.760%  |         |        |          |
| 50) Toluene-d8               | 10.185         | 98   | 254962              | 48.384  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 96.760%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 88825               | 49.593  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 99.180%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.912          | 85   | 31798               | 20.662  | ug/l   | 100      |
| 3) Chloromethane             | 2.119          | 50   | 34903               | 18.579  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.259          | 62   | 35172               | 19.381  | ug/l   | 100      |
| 5) Bromomethane              | 2.650          | 94   | 23159               | 21.069  | ug/l   | 96       |
| 6) Chloroethane              | 2.796          | 64   | 21813               | 19.572  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.131          | 101  | 58070               | 19.746  | ug/l   | 94       |
| 8) Diethyl Ether             | 3.534          | 74   | 18281               | 20.942  | ug/l   | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 3.911          | 101  | 32669               | 19.725  | ug/l   | 91       |
| 10) Methyl Iodide            | 4.100          | 142  | 32600               | 18.259  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 4.960          | 59   | 22627               | 101.712 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.881          | 96   | 30112               | 19.683  | ug/l   | 88       |
| 13) Acrolein                 | 3.735          | 56   | 20391               | 100.396 | ug/l   | 99       |
| 14) Allyl chloride           | 4.485          | 41   | 47630               | 20.270  | ug/l # | 95       |
| 15) Acrylonitrile            | 5.173          | 53   | 46570               | 113.553 | ug/l   | 99       |
| 16) Acetone                  | 3.954          | 43   | 45826               | 93.326  | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.204          | 76   | 91423               | 19.035  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.478          | 43   | 21747               | 23.646  | ug/l # | 90       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 91373               | 21.199  | ug/l   | 95       |
| 20) Methylene Chloride       | 4.722          | 84   | 35824               | 21.188  | ug/l # | 81       |
| 21) trans-1,2-Dichloroethene | 5.234          | 96   | 32998               | 19.497  | ug/l   | 85       |
| 22) Diisopropyl ether        | 6.131          | 45   | 101348              | 20.584  | ug/l # | 89       |
| 23) Vinyl Acetate            | 6.064          | 43   | 342867              | 106.777 | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.021          | 63   | 58911               | 19.811  | ug/l   | 97       |
| 25) 2-Butanone               | 6.990          | 43   | 63447               | 106.946 | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 6.990          | 77   | 54941               | 19.309  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.996          | 96   | 36623               | 19.590  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.344          | 49   | 22620               | 19.454  | ug/l # | 90       |
| 29) Tetrahydrofuran          | 7.350          | 42   | 40425               | 117.920 | ug/l   | 91       |
| 30) Chloroform               | 7.514          | 83   | 60426               | 19.534  | ug/l   | 98       |
| 31) Cyclohexane              | 7.789          | 56   | 56845               | 19.268  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 7.710          | 97   | 55801               | 19.409  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 7.923          | 75   | 47714               | 19.135  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.076          | 43   | 27797               | 22.423  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.905          | 117  | 49619               | 18.940  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.191          | 83   | 59605               | 19.034  | ug/l   | 90       |
| 40) Benzene                  | 8.167          | 78   | 128068              | 19.376  | ug/l   | 92       |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0207SBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2022  
 Supervised By :Mahesh Dadoda 02/08/2022

Quant Time: Feb 08 00:35:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 12000    | 19.479  | ug/l # | 61       |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 40347    | 20.081  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 51224    | 22.095  | ug/l # | 95       |
| 44) Trichloroethene           | 8.947  | 130  | 34242    | 19.160  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 32349    | 19.848  | ug/l   | 95       |
| 46) Dibromomethane            | 9.307  | 93   | 20166    | 20.797  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.496  | 83   | 47276    | 20.162  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.295  | 41   | 22302    | 21.271  | ug/l # | 87       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 4624     | 435.345 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 132742   | 112.895 | ug/l   | 92       |
| 52) Toluene                   | 10.246 | 92   | 80033    | 19.218  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 49070    | 20.032  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 54613    | 19.905  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 26610    | 20.895  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 38629    | 21.839  | ug/l   | 85       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 46384    | 20.543  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.788  | 63   | 95991    | 104.326 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.837 | 43   | 92673    | 108.110 | ug/l   | 90       |
| 60) Dibromochloromethane      | 10.989 | 129  | 32048    | 20.214  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 26301    | 20.875  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 29400    | 19.314  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.520 | 112  | 83508    | 19.353  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 31663    | 19.657  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 155873   | 19.037  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 115871   | 38.208  | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 55307    | 19.289  | ug/l   | 98       |
| 70) Styrene                   | 12.050 | 104  | 91782    | 19.418  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 18188    | 20.466  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 149996   | 19.175  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.148 | 43   | 40964    | 21.156  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 31040    | 21.728  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 21537m   | 21.165  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 32008    | 19.425  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.672 | 91   | 183528   | 19.370  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 101777   | 19.401  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 124320   | 19.481  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 11102    | 21.858  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 104433   | 19.382  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 109390   | 19.691  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 121854   | 19.393  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 159617   | 19.155  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 131285   | 19.341  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 62062    | 19.426  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 61570    | 19.333  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.696 | 91   | 124722   | 19.090  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.965 | 117  | 24808    | 19.339  | ug/l   | 76       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 54689    | 19.448  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 5051     | 21.757  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 31440    | 18.879  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 17404    | 18.878  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 70304    | 20.314  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 25662    | 18.255  | ug/l   | 95       |

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 ALS Vial : 5 Sample Multiplier: 1

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Manual Integrations  
 APPROVED

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 Supervised By :Mahesh Dadoda 02/08/2022

Quant Time: Feb 08 00:35:46 2022  
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 Quant Title : SW846 8260  
 QLast Update : Thu Feb 03 04:36:48 2022  
 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

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