

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020425\  
 Data File : VY021048.D  
 Acq On : 04 Feb 2025 10:52  
 Operator : SY/MD  
 Sample : VY0204SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0204SBS01

Quant Time: Feb 05 00:43:22 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 02/05/2025  
 Supervised By :Mahesh Dadoda 02/06/2025

| Compound                     | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|------------------------------|----------|-------|----------|--------|---------|----------|
| -----                        |          |       |          |        |         |          |
| Internal Standards           |          |       |          |        |         |          |
| 1) Pentafluorobenzene        | 7.707    | 168   | 159738   | 50.000 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616    | 114   | 247448   | 50.000 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 11.420   | 117   | 212473   | 50.000 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.353   | 152   | 108974   | 50.000 | ug/l    | 0.00     |
|                              |          |       |          |        |         |          |
| System Monitoring Compounds  |          |       |          |        |         |          |
| 33) 1,2-Dichloroethane-d4    | 8.061    | 65    | 72541    | 44.323 | ug/l    | 0.00     |
| Spiked Amount 50.000         | Range 50 | - 163 | Recovery | =      | 88.640% |          |
| 35) Dibromofluoromethane     | 7.634    | 113   | 70720    | 44.595 | ug/l    | 0.00     |
| Spiked Amount 50.000         | Range 54 | - 147 | Recovery | =      | 89.200% |          |
| 50) Toluene-d8               | 10.109   | 98    | 273816   | 45.354 | ug/l    | 0.00     |
| Spiked Amount 50.000         | Range 58 | - 134 | Recovery | =      | 90.700% |          |
| 62) 4-Bromofluorobenzene     | 12.408   | 95    | 88811    | 45.028 | ug/l    | 0.00     |
| Spiked Amount 50.000         | Range 30 | - 143 | Recovery | =      | 90.060% |          |
|                              |          |       |          |        |         |          |
| Target Compounds             |          |       |          |        |         |          |
|                              |          |       |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.867    | 85    | 26561    | 18.656 | ug/l    | 95       |
| 3) Chloromethane             | 2.074    | 50    | 25456    | 18.120 | ug/l    | 100      |
| 4) Vinyl Chloride            | 2.208    | 62    | 25348    | 17.926 | ug/l    | 96       |
| 5) Bromomethane              | 2.592    | 94    | 15527    | 17.766 | ug/l    | 93       |
| 6) Chloroethane              | 2.739    | 64    | 14918    | 17.722 | ug/l    | 100      |
| 7) Trichlorofluoromethane    | 3.062    | 101   | 46635    | 18.102 | ug/l    | 99       |
| 8) Diethyl Ether             | 3.458    | 74    | 14027    | 17.442 | ug/l    | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818    | 101   | 30481    | 18.852 | ug/l    | 96       |
| 10) Methyl Iodide            | 4.007    | 142   | 29675    | 16.520 | ug/l    | 94       |
| 11) Tert butyl alcohol       | 4.860    | 59    | 10816    | 97.522 | ug/l    | 100      |
| 12) 1,1-Dichloroethene       | 3.793    | 96    | 27509    | 18.062 | ug/l    | 91       |
| 13) Acrolein                 | 3.653    | 56    | 15521    | 90.880 | ug/l    | 95       |
| 14) Allyl chloride           | 4.385    | 41    | 46739    | 18.208 | ug/l    | 94       |
| 15) Acrylonitrile            | 5.061    | 53    | 29778    | 88.918 | ug/l    | 96       |
| 16) Acetone                  | 3.867    | 43    | 24331    | 95.329 | ug/l    | 94       |
| 17) Carbon Disulfide         | 4.104    | 76    | 84527    | 17.699 | ug/l    | 99       |
| 18) Methyl Acetate           | 4.391    | 43    | 16098    | 17.967 | ug/l    | 96       |
| 19) Methyl tert-butyl Ether  | 5.116    | 73    | 68589    | 17.817 | ug/l    | 100      |
| 20) Methylene Chloride       | 4.616    | 84    | 28978    | 18.264 | ug/l    | 89       |
| 21) trans-1,2-Dichloroethene | 5.116    | 96    | 30051    | 17.925 | ug/l    | 90       |
| 22) Diisopropyl ether        | 6.019    | 45    | 99002    | 18.712 | ug/l    | 97       |
| 23) Vinyl Acetate            | 5.964    | 43    | 269489   | 91.368 | ug/l    | 98       |
| 24) 1,1-Dichloroethane       | 5.915    | 63    | 57777    | 18.638 | ug/l    | 99       |
| 25) 2-Butanone               | 6.897    | 43    | 38689    | 92.245 | ug/l    | 95       |
| 26) 2,2-Dichloropropane      | 6.884    | 77    | 53805    | 18.759 | ug/l    | 98       |
| 27) cis-1,2-Dichloroethene   | 6.890    | 96    | 35371    | 18.330 | ug/l    | 94       |
| 28) Bromochloromethane       | 7.250    | 49    | 24400    | 19.906 | ug/l    | 98       |
| 29) Tetrahydrofuran          | 7.262    | 42    | 25992    | 91.585 | ug/l    | 94       |
| 30) Chloroform               | 7.421    | 83    | 58868    | 18.488 | ug/l    | 98       |
| 31) Cyclohexane              | 7.701    | 56    | 51555    | 18.469 | ug/l    | 98       |
| 32) 1,1,1-Trichloroethane    | 7.622    | 97    | 55929    | 18.893 | ug/l    | 100      |
| 36) 1,1-Dichloropropene      | 7.835    | 75    | 43422    | 18.486 | ug/l    | 100      |
| 37) Ethyl Acetate            | 6.982    | 43    | 16787    | 16.291 | ug/l    | 96       |
| 38) Carbon Tetrachloride     | 7.823    | 117   | 51669    | 18.826 | ug/l    | 99       |
| 39) Methylcyclohexane        | 9.110    | 83    | 52772    | 18.368 | ug/l    | 97       |
| 40) Benzene                  | 8.085    | 78    | 127737   | 18.531 | ug/l    | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020425\  
 Data File : VY021048.D  
 Acq On : 04 Feb 2025 10:52  
 Operator : SY/MD  
 Sample : VY0204SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0204SBS01

Quant Time: Feb 05 00:43:22 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 02/05/2025  
 Supervised By :Mahesh Dadoda 02/06/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 8975     | 15.055  | ug/l # | 94       |
| 42) 1,2-Dichloroethane        | 8.159  | 62   | 34662    | 18.127  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 36132    | 17.647  | ug/l # | 86       |
| 44) Trichloroethene           | 8.866  | 130  | 33112    | 18.593  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 31191    | 19.064  | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 16797    | 18.543  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.427  | 83   | 45261    | 18.630  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.225  | 41   | 17256    | 18.502  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 3076     | 364.763 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 95113    | 92.378  | ug/l   | 96       |
| 52) Toluene                   | 10.170 | 92   | 81634    | 18.861  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 39796    | 18.243  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 48033    | 18.596  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 21600    | 18.414  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.445 | 69   | 27381    | 17.448  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 37450    | 18.445  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 65192    | 87.322  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 60223    | 90.844  | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.914 | 129  | 30226    | 18.348  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 19558    | 17.800  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.652 | 164  | 29844    | 18.921  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.445 | 112  | 88014    | 18.603  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 31439    | 18.699  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.524 | 91   | 156761   | 18.733  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 118185   | 37.753  | ug/l   | 97       |
| 69) o-Xylene                  | 11.957 | 106  | 54195    | 18.569  | ug/l   | 96       |
| 70) Styrene                   | 11.975 | 104  | 91611    | 18.833  | ug/l   | 98       |
| 71) Bromoform                 | 12.133 | 173  | 17427    | 18.622  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.255 | 105  | 150465   | 17.676  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 31886    | 17.133  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 24702    | 17.448  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 16082m   | 16.269  | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 34360    | 17.492  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.597 | 91   | 181949   | 17.943  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 102699   | 17.683  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 125980   | 18.254  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 8631     | 17.816  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 106247   | 17.955  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 110553   | 17.623  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105  | 124310   | 18.421  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 162645   | 18.011  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 136684   | 18.222  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 67765    | 17.866  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 68413    | 18.319  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 126230   | 18.446  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.883 | 117  | 27935    | 17.851  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 13.664 | 146  | 59994    | 18.224  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 3450     | 16.307  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.926 | 180  | 33572    | 18.321  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 22831    | 18.801  | ug/l   | 99       |
| 95) Naphthalene               | 15.151 | 128  | 49550    | 16.901  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 27220    | 17.849  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020425\  
Data File : VY021048.D  
Acq On : 04 Feb 2025 10:52  
Operator : SY/MD  
Sample : VY0204SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0204SBS01

Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025

Quant Time: Feb 05 00:43:22 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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020425\  
Data File : VY021048.D  
Acq On : 04 Feb 2025 10:52  
Operator : SY/MD  
Sample : VY0204SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0204SBS01

Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 02/05/2025  
Supervised By :Mahesh Dadoda 02/06/2025

Quant Time: Feb 05 00:43:22 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

