

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080524\  
 Data File : VD079578.D  
 Acq On : 05 Aug 2024 14:05  
 Operator : RP/MD  
 Sample : VD0805SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0805SBS01

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 08/06/2024  
 Supervised By :Mahesh Dadoda 08/08/2024

Quant Time: Aug 06 02:45:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.869          | 168  | 233336     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 415863     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 376437     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 190836     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 113287     | 47.791  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 95.580% |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 117500     | 41.744  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 83.480% |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 467715     | 42.789  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 85.580% |        |          |
| 62) 4-Bromofluorobenzene     | 12.569         | 95   | 136596     | 43.184  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 86.360% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 32519      | 17.787  | ug/l   | 95       |
| 3) Chloromethane             | 2.146          | 50   | 62690      | 18.610  | ug/l   | 93       |
| 4) Vinyl Chloride            | 2.281          | 62   | 74416      | 18.579  | ug/l   | 97       |
| 5) Bromomethane              | 2.675          | 94   | 51045      | 18.533  | ug/l   | 99       |
| 6) Chloroethane              | 2.822          | 64   | 49945      | 19.405  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.164          | 101  | 74132      | 18.611  | ug/l   | 94       |
| 8) Diethyl Ether             | 3.587          | 74   | 25896      | 21.522  | ug/l   | 80       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964          | 101  | 46567      | 18.484  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.152          | 142  | 51911      | 18.465  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.046          | 59   | 15169      | 141.402 | ug/l # | 96       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 47156      | 18.704  | ug/l   | 94       |
| 13) Acrolein                 | 3.799          | 56   | 19419      | 109.837 | ug/l   | 96       |
| 14) Allyl chloride           | 4.552          | 41   | 70324      | 21.124  | ug/l # | 85       |
| 15) Acrylonitrile            | 5.252          | 53   | 64748      | 115.157 | ug/l   | 98       |
| 16) Acetone                  | 4.022          | 43   | 48146      | 104.510 | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.269          | 76   | 135907     | 16.331  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.558          | 43   | 32240      | 22.540  | ug/l # | 83       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 108914     | 21.164  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.793          | 84   | 72247      | 8.648   | ug/l # | 88       |
| 21) trans-1,2-Dichloroethene | 5.305          | 96   | 53249      | 18.801  | ug/l   | 88       |
| 22) Diisopropyl ether        | 6.216          | 45   | 163890     | 22.125  | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.146          | 43   | 624404     | 112.137 | ug/l # | 89       |
| 24) 1,1-Dichloroethane       | 6.105          | 63   | 103360     | 20.822  | ug/l   | 97       |
| 25) 2-Butanone               | 7.081          | 43   | 71976      | 110.204 | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 81917      | 20.402  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.075          | 96   | 63743      | 19.690  | ug/l   | 84       |
| 28) Bromochloromethane       | 7.428          | 49   | 43406      | 19.941  | ug/l # | 69       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 45602      | 112.665 | ug/l # | 83       |
| 30) Chloroform               | 7.593          | 83   | 105178     | 20.923  | ug/l   | 98       |
| 31) Cyclohexane              | 7.875          | 56   | 71755      | 18.226  | ug/l   | 86       |
| 32) 1,1,1-Trichloroethane    | 7.787          | 97   | 84022      | 20.256  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.005          | 75   | 68099      | 17.726  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.163          | 43   | 34157      | 21.685  | ug/l # | 68       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 73224      | 18.131  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.269          | 83   | 72728      | 15.866  | ug/l   | 90       |
| 40) Benzene                  | 8.252          | 78   | 229675     | 18.822  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080524\  
 Data File : VD079578.D  
 Acq On : 05 Aug 2024 14:05  
 Operator : RP/MD  
 Sample : VD0805SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0805SBS01

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 08/06/2024  
 Supervised By :Mahesh Dadoda 08/08/2024

Quant Time: Aug 06 02:45:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 20843    | 24.056  | ug/l # | 74       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 58457    | 20.104  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 61326    | 20.715  | ug/l   | 93       |
| 44) Trichloroethene           | 9.028  | 130  | 55095    | 18.138  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 58353    | 19.651  | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 32880    | 19.973  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.587  | 83   | 79651    | 19.705  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 26146    | 19.735  | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 6516     | 381.988 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 163285   | 108.034 | ug/l   | 92       |
| 52) Toluene                   | 10.328 | 92   | 143943   | 19.074  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 74238    | 19.888  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 87081    | 19.394  | ug/l # | 93       |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 42921    | 19.792  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.593 | 69   | 52910    | 20.591  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 72409    | 19.649  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 115105   | 97.136  | ug/l   | 90       |
| 59) 2-Hexanone                | 10.916 | 43   | 112196   | 106.437 | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.069 | 129  | 54430    | 19.214  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 39271    | 19.330  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.804 | 164  | 43920    | 17.303  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.604 | 112  | 158603   | 19.027  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.675 | 131  | 54658    | 19.930  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.681 | 91   | 263078   | 19.279  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 206725   | 38.184  | ug/l   | 92       |
| 69) o-Xylene                  | 12.116 | 106  | 97498    | 19.647  | ug/l   | 94       |
| 70) Styrene                   | 12.134 | 104  | 172532   | 19.831  | ug/l   | 98       |
| 71) Bromoform                 | 12.293 | 173  | 30006    | 19.353  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.416 | 105  | 241772   | 19.316  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 60429    | 21.529  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 49448    | 19.946  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 30757m   | 18.438  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 60933    | 19.042  | ug/l   | 88       |
| 78) n-propylbenzene           | 12.763 | 91   | 302228   | 18.946  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 173282   | 19.509  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 206265   | 19.403  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 17820    | 20.375  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 183860   | 19.856  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 175373   | 19.423  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 208560   | 19.671  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 263237   | 18.617  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 222783   | 19.242  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 123466   | 18.627  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 123948   | 19.020  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.787 | 91   | 207866   | 19.334  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.051 | 117  | 46883    | 18.957  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 108167   | 19.094  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 6882     | 20.863  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 63725    | 17.854  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 31565    | 16.386  | ug/l   | 94       |
| 95) Naphthalene               | 15.328 | 128  | 120926   | 19.575  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 55877    | 17.797  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080524\  
Data File : VD079578.D  
Acq On : 05 Aug 2024 14:05  
Operator : RP/MD  
Sample : VD0805SBSD01  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0805SBSD01

Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 08/06/2024  
Supervised By :Mahesh Dadoda 08/08/2024

Quant Time: Aug 06 02:45:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
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\_D\Data\VD080524\  
Data File : VD079578.D  
Acq On : 05 Aug 2024 14:05  
Operator : RP/MD  
Sample : VD0805SBSD01  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0805SBSD01

Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 08/06/2024  
Supervised By :Mahesh Dadoda 08/08/2024

Quant Time: Aug 06 02:45:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
Response via : Initial Calibration

