

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011322\  
 Data File : VD071704.D  
 Acq On : 13 Jan 2022 12:29  
 Operator : VA/SY  
 Sample : VD0113SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0113SBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/14/2022  
 Supervised By :Mahesh Dadoda 01/14/2022

Quant Time: Jan 13 14:30:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 15:39:14 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 282818              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 485408              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.637         | 117  | 445962              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.567         | 152  | 215564              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 199308              | 54.769  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 109.540% |         |        |          |
| 35) Dibromofluoromethane     | 7.908          | 113  | 170191              | 53.053  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 106.100% |         |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 641389              | 53.412  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 106.820% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.626         | 95   | 213233              | 50.393  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 100.780% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 45461               | 20.893  | ug/l   | 98       |
| 3) Chloromethane             | 2.208          | 50   | 63471               | 22.005  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.350          | 62   | 73992               | 21.042  | ug/l   | 93       |
| 5) Bromomethane              | 2.755          | 94   | 52245               | 21.849  | ug/l   | 97       |
| 6) Chloroethane              | 2.920          | 64   | 55127               | 21.999  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.267          | 101  | 102149              | 20.492  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.708          | 74   | 28054               | 21.398  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097          | 101  | 62400               | 21.417  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.302          | 142  | 46344               | 16.636  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.220          | 59   | 36188               | 173.526 | ug/l # | 75       |
| 12) 1,1-Dichloroethene       | 4.073          | 96   | 52075               | 20.597  | ug/l   | 96       |
| 13) Acrolein                 | 3.920          | 56   | 31724               | 89.317  | ug/l   | 94       |
| 14) Allyl chloride           | 4.714          | 41   | 107634              | 21.470  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.420          | 53   | 75908               | 109.556 | ug/l   | 99       |
| 16) Acetone                  | 4.155          | 43   | 93767               | 111.605 | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.402          | 76   | 125879              | 20.121  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.714          | 43   | 59600               | 24.488  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 145431              | 21.791  | ug/l   | 94       |
| 20) Methylene Chloride       | 4.967          | 84   | 71933               | 21.667  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 60367               | 20.908  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.361          | 45   | 232944              | 21.579  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.302          | 43   | 526468              | 104.505 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.261          | 63   | 127849              | 20.748  | ug/l   | 99       |
| 25) 2-Butanone               | 7.208          | 43   | 107196              | 107.989 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.208          | 77   | 107060              | 20.691  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.208          | 96   | 71492               | 20.978  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.543          | 49   | 57410               | 19.126  | ug/l   | 95       |
| 29) Tetrahydrofuran          | 7.555          | 42   | 63260               | 110.778 | ug/l   | 99       |
| 30) Chloroform               | 7.708          | 83   | 136567              | 21.674  | ug/l   | 95       |
| 31) Cyclohexane              | 7.985          | 56   | 102284              | 20.495  | ug/l # | 94       |
| 32) 1,1,1-Trichloroethane    | 7.902          | 97   | 114908              | 20.691  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 92660               | 20.249  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.290          | 43   | 45217               | 21.290  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.096          | 117  | 101145              | 21.826  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.355          | 83   | 97769               | 19.780  | ug/l   | 91       |
| 40) Benzene                  | 8.349          | 78   | 257173              | 20.397  | ug/l   | 97       |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0113SBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/14/2022  
 Supervised By :Mahesh Dadoda 01/14/2022

Quant Time: Jan 13 14:30:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 15:39:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.520  | 41   | 26811    | 21.143  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 89074    | 20.871  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.443  | 43   | 88444    | 22.123  | ug/l   | 99       |
| 44) Trichloroethene           | 9.108  | 130  | 64698    | 19.940  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.384  | 63   | 72217    | 21.189  | ug/l   | 97       |
| 46) Dibromomethane            | 9.467  | 93   | 39103    | 22.415  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.655  | 83   | 105797   | 22.089  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.449  | 41   | 40995    | 20.292  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 8195     | 468.557 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 242740   | 114.949 | ug/l   | 98       |
| 52) Toluene                   | 10.396 | 92   | 167080   | 21.053  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 92092    | 21.919  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.084 | 75   | 106286   | 21.455  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.790 | 97   | 51783    | 22.643  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 61258    | 21.852  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.937 | 76   | 87442    | 20.691  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.937  | 63   | 170680   | 110.292 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.979 | 43   | 166585   | 112.944 | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.131 | 129  | 63155    | 21.695  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.243 | 107  | 46002    | 21.024  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.873 | 164  | 56434    | 21.543  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.667 | 112  | 177601   | 20.811  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.731 | 131  | 67094    | 20.735  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.737 | 91   | 319000   | 20.361  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.843 | 106  | 242652   | 41.644  | ug/l   | 98       |
| 69) o-Xylene                  | 12.173 | 106  | 111665   | 20.247  | ug/l   | 99       |
| 70) Styrene                   | 12.190 | 104  | 198132   | 20.959  | ug/l   | 99       |
| 71) Bromoform                 | 12.355 | 173  | 36131    | 22.868  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.473 | 105  | 313550   | 20.241  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.278 | 43   | 81691    | 21.498  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 61384    | 22.362  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 49108m   | 23.576  | ug/l   |          |
| 77) Bromobenzene              | 12.755 | 156  | 70208    | 20.981  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.808 | 91   | 392856   | 20.165  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 222430   | 20.256  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 268626   | 20.754  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 16757    | 22.428  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 234036   | 20.544  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.214 | 119  | 219674   | 19.862  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 260485   | 20.350  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.390 | 105  | 345157   | 20.375  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.508 | 119  | 286354   | 20.589  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.508 | 146  | 143797   | 20.823  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.584 | 146  | 144457   | 20.505  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.831 | 91   | 285196   | 20.476  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.096 | 117  | 58378    | 21.215  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.878 | 146  | 123626   | 20.889  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.496 | 75   | 10088    | 22.865  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 74584    | 21.867  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 40811    | 20.410  | ug/l   | 98       |
| 95) Naphthalene               | 15.384 | 128  | 129552   | 21.453  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.578 | 180  | 60845    | 20.935  | ug/l   | 97       |

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Sample : VD0113SBSD01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0113SBSD01

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 01/14/2022  
Supervised By :Mahesh Dadoda 01/14/2022

Quant Time: Jan 13 14:30:07 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 07 15:39:14 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

