

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022222\  
 Data File : VD072065.D  
 Acq On : 22 Feb 2022 18:53  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022  
 Supervised By : Mahesh Dadoda 02/23/2022

Quant Time: Feb 23 05:32:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 19 04:05:38 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 473054              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 771573              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638         | 117  | 721558              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 356161              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 272894              | 55.614  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 111.220% |         |        |          |
| 35) Dibromofluoromethane     | 7.914          | 113  | 251314              | 53.760  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 107.520% |         |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 975489              | 56.270  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 112.540% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 344172              | 54.048  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 108.100% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 203677              | 45.666  | ug/l   | 96       |
| 3) Chloromethane             | 2.209          | 50   | 219895              | 54.436  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.350          | 62   | 187632              | 46.599  | ug/l   | 97       |
| 5) Bromomethane              | 2.768          | 94   | 114375              | 45.180  | ug/l   | 96       |
| 6) Chloroethane              | 2.915          | 64   | 120863              | 47.490  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.273          | 101  | 386638              | 49.633  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.709          | 74   | 114699              | 51.650  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097          | 101  | 234175              | 48.115  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.297          | 142  | 170967              | 32.904  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.220          | 59   | 76051               | 271.634 | ug/l # | 90       |
| 12) 1,1-Dichloroethene       | 4.067          | 96   | 209038              | 48.355  | ug/l   | 97       |
| 13) Acrolein                 | 3.920          | 56   | 105731              | 191.510 | ug/l   | 100      |
| 14) Allyl chloride           | 4.715          | 41   | 361463              | 47.711  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.420          | 53   | 309612              | 257.961 | ug/l   | 99       |
| 16) Acetone                  | 4.156          | 43   | 268540              | 253.224 | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.409          | 76   | 580080              | 48.231  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.720          | 43   | 133555              | 49.549  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 581424              | 55.287  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.962          | 84   | 263551              | 49.934  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.473          | 96   | 243847              | 50.201  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.361          | 45   | 811951              | 51.324  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.303          | 43   | 2385935             | 282.415 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.261          | 63   | 461255              | 49.009  | ug/l   | 98       |
| 25) 2-Butanone               | 7.208          | 43   | 383409              | 261.585 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.208          | 77   | 366649              | 48.683  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.208          | 96   | 286144              | 51.416  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.544          | 49   | 203308              | 50.673  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.556          | 42   | 249496              | 266.719 | ug/l   | 99       |
| 30) Chloroform               | 7.708          | 83   | 487958              | 50.497  | ug/l   | 99       |
| 31) Cyclohexane              | 7.985          | 56   | 410039              | 47.309  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 7.903          | 97   | 423979              | 50.985  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 351099              | 49.582  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.285          | 43   | 174151              | 53.036  | ug/l # | 97       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 369891              | 50.964  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.355          | 83   | 428574              | 51.712  | ug/l   | 96       |
| 40) Benzene                  | 8.350          | 78   | 1013560             | 50.725  | ug/l   | 99       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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Quant Time: Feb 23 05:32:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 19 04:05:38 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 99772    | 48.998   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 319390   | 53.287   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 324295   | 53.035   | ug/l   | 99       |
| 44) Trichloroethene           | 9.108  | 130  | 278685   | 51.172   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 267601   | 50.207   | ug/l   | 99       |
| 46) Dibromomethane            | 9.473  | 93   | 147221   | 52.340   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.655  | 83   | 383873   | 52.906   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.450  | 41   | 167213   | 54.134   | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 39199    | 1174.761 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 889271   | 274.412  | ug/l   | 99       |
| 52) Toluene                   | 10.397 | 92   | 660389   | 51.645   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 364578   | 54.941   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 417851   | 53.203   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.797 | 97   | 205246   | 51.852   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 270176   | 57.156   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 363807   | 53.177   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 559706   | 264.672  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.979 | 43   | 619729   | 280.369  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.132 | 129  | 261940   | 52.991   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 197958   | 52.334   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.873 | 164  | 251023   | 55.104   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.661 | 112  | 698871   | 49.975   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.738 | 131  | 264486   | 50.958   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.738 | 91   | 1275509  | 51.871   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.849 | 106  | 980342   | 104.144  | ug/l   | 100      |
| 69) o-Xylene                  | 12.173 | 106  | 460605   | 52.015   | ug/l   | 97       |
| 70) Styrene                   | 12.185 | 104  | 818081   | 53.834   | ug/l   | 100      |
| 71) Bromoform                 | 12.349 | 173  | 158122   | 53.119   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.467 | 105  | 1254857  | 51.315   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 313422   | 53.078   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 233139   | 48.220   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 194483m  | 57.648   | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 293732   | 51.292   | ug/l   | 100      |
| 78) n-propylbenzene           | 12.808 | 91   | 1536219  | 51.109   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 883374   | 50.778   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 1056194  | 51.725   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 76601    | 56.860   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 912207   | 50.381   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.214 | 119  | 911624   | 51.961   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 1052438  | 52.430   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.391 | 105  | 1370363  | 51.275   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 1146533  | 52.158   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 584463   | 50.489   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 578468   | 49.732   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.832 | 91   | 1095314  | 52.402   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 199812   | 45.285   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.879 | 146  | 520055   | 51.229   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 40073    | 53.204   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 327549   | 52.529   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 172607   | 50.340   | ug/l   | 97       |
| 95) Naphthalene               | 15.385 | 128  | 644243   | 56.913   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.579 | 180  | 292574   | 54.397   | ug/l   | 99       |

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Sample : VSTDCCC050  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
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Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Mahesh Dadoda 02/23/2022

Quant Time: Feb 23 05:32:30 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021822S.M  
Quant Title : SW846 8260  
QLast Update : Sat Feb 19 04:05:38 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

