

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010522\  
 Data File : VD071606.D  
 Acq On : 05 Jan 2022 11:01  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/11/2022  
 Supervised By :Mahesh Dadoda 01/11/2022

Quant Time: Jan 05 15:16:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.979          | 168  | 299855     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 494866     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638         | 117  | 451528     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.567         | 152  | 228923     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 195352     | 49.055   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 98.100%  |        |          |
| 35) Dibromofluoromethane     | 7.914          | 113  | 173569     | 52.187   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 104.380% |        |          |
| 50) Toluene-d8               | 10.338         | 98   | 635779     | 50.585   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 101.160% |        |          |
| 62) 4-Bromofluorobenzene     | 12.626         | 95   | 225151     | 50.412   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 100.820% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 141070     | 44.898   | ug/l   | 98       |
| 3) Chloromethane             | 2.215          | 50   | 183750     | 45.672   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.356          | 62   | 219908     | 45.612   | ug/l   | 98       |
| 5) Bromomethane              | 2.779          | 94   | 153631     | 45.549   | ug/l   | 95       |
| 6) Chloroethane              | 2.926          | 64   | 152149     | 47.552   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.279          | 101  | 306182     | 51.875   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.709          | 74   | 79650      | 47.138   | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 4.103          | 101  | 176674     | 51.451   | ug/l   | 95       |
| 10) Methyl Iodide            | 4.303          | 142  | 179094     | 53.632   | ug/l   | 93       |
| 11) Tert butyl alcohol       | 5.209          | 59   | 55262      | 167.755  | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 4.073          | 96   | 154251     | 49.376   | ug/l # | 81       |
| 13) Acrolein                 | 3.926          | 56   | 24428      | 126.982  | ug/l   | 94       |
| 14) Allyl chloride           | 4.715          | 41   | 314561     | 53.235   | ug/l # | 78       |
| 15) Acrylonitrile            | 5.420          | 53   | 203107     | 244.082  | ug/l   | 96       |
| 16) Acetone                  | 4.156          | 43   | 269956     | 269.881  | ug/l # | 87       |
| 17) Carbon Disulfide         | 4.415          | 76   | 414284     | 40.701   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.720          | 43   | 146620     | 47.490   | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 399647     | 49.557   | ug/l   | 99       |
| 20) Methylene Chloride       | 4.973          | 84   | 207815     | 55.601   | ug/l # | 86       |
| 21) trans-1,2-Dichloroethene | 5.479          | 96   | 178714     | 49.391   | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.367          | 45   | 667063     | 55.455   | ug/l   | 93       |
| 23) Vinyl Acetate            | 6.309          | 43   | 1627426    | 262.443  | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.267          | 63   | 374095     | 54.248   | ug/l   | 99       |
| 25) 2-Butanone               | 7.208          | 43   | 294751     | 246.697  | ug/l # | 88       |
| 26) 2,2-Dichloropropane      | 7.208          | 77   | 330766     | 58.375   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 7.208          | 96   | 213538     | 53.355   | ug/l   | 91       |
| 28) Bromochloromethane       | 7.550          | 49   | 135965     | 48.114   | ug/l   | 85       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 168752     | 235.239  | ug/l   | 91       |
| 30) Chloroform               | 7.708          | 83   | 386040     | 55.480   | ug/l   | 97       |
| 31) Cyclohexane              | 7.985          | 56   | 310612     | 45.915   | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.903          | 97   | 346900     | 56.214   | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 283641     | 53.381   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.285          | 43   | 124987     | 50.951   | ug/l # | 91       |
| 38) Carbon Tetrachloride     | 8.097          | 117  | 295691     | 56.405   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.355          | 83   | 315697     | 50.755   | ug/l   | 98       |
| 40) Benzene                  | 8.350          | 78   | 767708     | 53.745   | ug/l   | 100      |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 01/11/2022  
 Supervised By :Mahesh Dadoda 01/11/2022

Quant Time: Jan 05 15:16:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.526  | 41   | 80029    | 54.924  | ug/l # | 73       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 247978   | 53.238  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 238689   | 49.030  | ug/l   | 90       |
| 44) Trichloroethene           | 9.114  | 130  | 194010   | 52.120  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 204733   | 55.235  | ug/l   | 98       |
| 46) Dibromomethane            | 9.473  | 93   | 101360   | 49.497  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.661  | 83   | 292788   | 56.315  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.455  | 41   | 124303   | 51.599  | ug/l # | 78       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 20336    | 878.797 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.226 | 43   | 626717   | 244.695 | ug/l   | 90       |
| 52) Toluene                   | 10.402 | 92   | 498771   | 54.967  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 261957   | 53.957  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 307546   | 54.819  | ug/l # | 82       |
| 55) 1,1,2-Trichloroethane     | 10.797 | 97   | 138089   | 53.126  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 174541   | 51.028  | ug/l # | 72       |
| 57) 1,3-Dichloropropane       | 10.944 | 76   | 249958   | 52.500  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 368474   | 224.889 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.979 | 43   | 459227   | 253.661 | ug/l   | 87       |
| 60) Dibromochloromethane      | 11.138 | 129  | 176253   | 53.941  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.244 | 107  | 132219   | 51.357  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.873 | 164  | 161022   | 51.318  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.667 | 112  | 511705   | 55.249  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.738 | 131  | 190214   | 56.217  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.738 | 91   | 983350   | 57.049  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.849 | 106  | 742447   | 113.375 | ug/l   | 95       |
| 69) o-Xylene                  | 12.173 | 106  | 347228   | 58.007  | ug/l   | 95       |
| 70) Styrene                   | 12.191 | 104  | 598529   | 57.558  | ug/l   | 97       |
| 71) Bromoform                 | 12.355 | 173  | 97172    | 53.072  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.473 | 105  | 964450   | 54.646  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.279 | 43   | 224656   | 47.445  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.726 | 83   | 155425   | 48.710  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 136857m  | 50.315  | ug/l   |          |
| 77) Bromobenzene              | 12.755 | 156  | 197728   | 50.347  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.814 | 91   | 1204261  | 54.437  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.902 | 91   | 657970   | 53.221  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 793187   | 54.487  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 44282    | 46.000  | ug/l # | 73       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 692159   | 53.974  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.214 | 119  | 694365   | 55.821  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.261 | 105  | 786603   | 54.597  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.391 | 105  | 1053569  | 55.557  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.508 | 119  | 867629   | 55.140  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.508 | 146  | 408904   | 51.700  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 406631   | 52.433  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.832 | 91   | 857525   | 55.524  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.102 | 117  | 166189   | 55.753  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.879 | 146  | 353710   | 52.695  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 24506    | 44.287  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.149 | 180  | 207004   | 50.606  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.255 | 225  | 117301   | 53.531  | ug/l   | 97       |
| 95) Naphthalene               | 15.385 | 128  | 376365   | 48.339  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.579 | 180  | 175339   | 49.559  | ug/l   | 97       |

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Manual Integrations  
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 Supervised By :Mahesh Dadoda 01/11/2022

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 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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