

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020222\  
 Data File : VD071883.D  
 Acq On : 02 Feb 2022 17:02  
 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 02/07/2022  
 Supervised By : Mahesh Dadoda 02/07/2022

Quant Time: Feb 03 01:08:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012622S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 27 06:04:38 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 7.979          | 168  | 385228              | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 642034              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.637         | 117  | 608695              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.567         | 152  | 297970              | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 252240              | 51.804  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 103.600% |         |       |          |
| 35) Dibromofluoromethane     | 7.914          | 113  | 223277              | 52.906  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 105.820% |         |       |          |
| 50) Toluene-d8               | 10.331         | 98   | 832673              | 52.830  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 105.660% |         |       |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 297632              | 54.075  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 108.160% |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 204610              | 44.790  | ug/l  | 100      |
| 3) Chloromethane             | 2.208          | 50   | 254083              | 46.456  | ug/l  | 97       |
| 4) Vinyl Chloride            | 2.349          | 62   | 269971              | 47.149  | ug/l  | 97       |
| 5) Bromomethane              | 2.767          | 94   | 160681              | 42.530  | ug/l  | 93       |
| 6) Chloroethane              | 2.920          | 64   | 172712              | 47.596  | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 3.273          | 101  | 378787              | 46.160  | ug/l  | 100      |
| 8) Diethyl Ether             | 3.708          | 74   | 103538              | 47.819  | ug/l  | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091          | 101  | 218035              | 47.097  | ug/l  | 100      |
| 10) Methyl Iodide            | 4.302          | 142  | 206575              | 43.526  | ug/l  | 98       |
| 11) Tert butyl alcohol       | 5.226          | 59   | 75645               | 262.937 | ug/l  | 99       |
| 12) 1,1-Dichloroethene       | 4.067          | 96   | 198746              | 46.960  | ug/l  | 93       |
| 13) Acrolein                 | 3.920          | 56   | 94820               | 219.251 | ug/l  | 100      |
| 14) Allyl chloride           | 4.714          | 41   | 383230              | 47.504  | ug/l  | 98       |
| 15) Acrylonitrile            | 5.420          | 53   | 272700              | 247.807 | ug/l  | 99       |
| 16) Acetone                  | 4.155          | 43   | 381961              | 286.571 | ug/l  | 99       |
| 17) Carbon Disulfide         | 4.408          | 76   | 664165              | 45.006  | ug/l  | 97       |
| 18) Methyl Acetate           | 4.720          | 43   | 126318              | 43.834  | ug/l  | 99       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 515847              | 50.949  | ug/l  | 100      |
| 20) Methylene Chloride       | 4.961          | 84   | 234934              | 48.152  | ug/l  | 95       |
| 21) trans-1,2-Dichloroethene | 5.473          | 96   | 235655              | 47.830  | ug/l  | 97       |
| 22) Diisopropyl ether        | 6.367          | 45   | 821931              | 51.983  | ug/l  | 95       |
| 23) Vinyl Acetate            | 6.302          | 43   | 2338018             | 268.043 | ug/l  | 100      |
| 24) 1,1-Dichloroethane       | 6.261          | 63   | 447459              | 48.553  | ug/l  | 99       |
| 25) 2-Butanone               | 7.214          | 43   | 423289              | 272.418 | ug/l  | 97       |
| 26) 2,2-Dichloropropane      | 7.208          | 77   | 369759              | 48.484  | ug/l  | 98       |
| 27) cis-1,2-Dichloroethene   | 7.208          | 96   | 256985              | 48.563  | ug/l  | 98       |
| 28) Bromochloromethane       | 7.543          | 49   | 170426              | 49.028  | ug/l  | 99       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 236728              | 257.487 | ug/l  | 98       |
| 30) Chloroform               | 7.708          | 83   | 460067              | 48.863  | ug/l  | 97       |
| 31) Cyclohexane              | 7.984          | 56   | 431452              | 46.415  | ug/l  | 98       |
| 32) 1,1,1-Trichloroethane    | 7.902          | 97   | 396448              | 47.738  | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 355396              | 49.064  | ug/l  | 99       |
| 37) Ethyl Acetate            | 7.290          | 43   | 165350              | 49.099  | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 8.096          | 117  | 349375              | 48.773  | ug/l  | 97       |
| 39) Methylcyclohexane        | 9.349          | 83   | 414963              | 49.442  | ug/l  | 98       |
| 40) Benzene                  | 8.349          | 78   | 964377              | 49.322  | ug/l  | 98       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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Manual Integrations  
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Quant Time: Feb 03 01:08:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012622S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 27 06:04:38 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.526  | 41   | 105876   | 55.572   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 303337   | 49.130   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.449  | 43   | 320283   | 52.915   | ug/l   | 99       |
| 44) Trichloroethene           | 9.108  | 130  | 242534   | 48.041   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 253252   | 50.232   | ug/l   | 96       |
| 46) Dibromomethane            | 9.473  | 93   | 133754   | 50.668   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.655  | 83   | 351702   | 50.376   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.449  | 41   | 159694   | 49.852   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 31529    | 1046.401 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 844956   | 266.761  | ug/l   | 100      |
| 52) Toluene                   | 10.396 | 92   | 610255   | 50.192   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 323406   | 50.436   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.084 | 75   | 371596   | 49.439   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.790 | 97   | 176251   | 50.307   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 229333   | 52.869   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.937 | 76   | 320299   | 51.210   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.937  | 63   | 497712   | 243.736  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.978 | 43   | 648774   | 282.202  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.131 | 129  | 219762   | 50.796   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.237 | 107  | 171755   | 50.882   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.873 | 164  | 203971   | 47.373   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.661 | 112  | 635125   | 49.321   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.731 | 131  | 229994   | 49.094   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.737 | 91   | 1195008  | 50.433   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.843 | 106  | 914947   | 101.518  | ug/l   | 100      |
| 69) o-Xylene                  | 12.173 | 106  | 414129   | 50.563   | ug/l   | 99       |
| 70) Styrene                   | 12.184 | 104  | 727139   | 51.507   | ug/l   | 100      |
| 71) Bromoform                 | 12.349 | 173  | 124117   | 49.621   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.473 | 105  | 1114725  | 48.313   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.278 | 43   | 298612   | 52.626   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 204619   | 47.922   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.772 | 75   | 159738m  | 50.868   | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 246350   | 47.997   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.808 | 91   | 1426108  | 49.292   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 798739   | 48.718   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 947302   | 49.499   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 59506    | 46.593   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 826981   | 48.482   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.214 | 119  | 792611   | 49.973   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 945891   | 50.245   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.390 | 105  | 1236703  | 49.832   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 1022554  | 50.705   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 504629   | 48.419   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.584 | 146  | 499600   | 48.032   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.831 | 91   | 999586   | 50.520   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.096 | 117  | 198421   | 49.499   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.878 | 146  | 434084   | 48.670   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 34834    | 49.260   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 255005   | 48.943   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 139309   | 49.035   | ug/l   | 98       |
| 95) Naphthalene               | 15.384 | 128  | 487881   | 47.218   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.572 | 180  | 223784   | 50.109   | ug/l   | 99       |

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Quant Time: Feb 03 01:08:19 2022  
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Quant Title : SW846 8260  
QLast Update : Thu Jan 27 06:04:38 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

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