

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111921\  
 Data File : VD071069.D  
 Acq On : 19 Nov 2021 21:04  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2021  
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 22 02:54:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110921S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 10 03:55:51 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.979          | 168  | 170702              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 300857              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638         | 117  | 277997              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.567         | 152  | 132068              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 99052               | 54.500  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 109.000% |         |        |          |
| 35) Dibromofluoromethane     | 7.908          | 113  | 92692               | 54.599  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 109.200% |         |        |          |
| 50) Toluene-d8               | 10.338         | 98   | 340197              | 51.169  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 102.340% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.626         | 95   | 122332              | 51.102  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 102.200% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 68862               | 47.217  | ug/l   | 96       |
| 3) Chloromethane             | 2.209          | 50   | 108115              | 62.298  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.350          | 62   | 120598              | 72.256  | ug/l   | 97       |
| 5) Bromomethane              | 2.768          | 94   | 88019               | 77.371  | ug/l   | 94       |
| 6) Chloroethane              | 2.926          | 64   | 85654               | 79.904  | ug/l   | 89       |
| 7) Trichlorofluoromethane    | 3.279          | 101  | 152189              | 56.658  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.709          | 74   | 46909               | 52.768  | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097          | 101  | 87318               | 52.736  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.303          | 142  | 101233              | 50.995  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.209          | 59   | 40153               | 302.297 | ug/l # | 90       |
| 12) 1,1-Dichloroethene       | 4.073          | 96   | 80645               | 49.751  | ug/l # | 80       |
| 13) Acrolein                 | 3.926          | 56   | 8952                | 219.865 | ug/l   | 94       |
| 14) Allyl chloride           | 4.720          | 41   | 174997              | 51.831  | ug/l # | 83       |
| 15) Acrylonitrile            | 5.420          | 53   | 116816              | 274.616 | ug/l   | 98       |
| 16) Acetone                  | 4.156          | 43   | 112402              | 230.672 | ug/l # | 87       |
| 17) Carbon Disulfide         | 4.409          | 76   | 245181              | 46.844  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.720          | 43   | 87825               | 56.326  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 226623              | 54.157  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.962          | 84   | 114804              | 55.605  | ug/l # | 87       |
| 21) trans-1,2-Dichloroethene | 5.473          | 96   | 100195              | 53.929  | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.361          | 45   | 369064              | 54.984  | ug/l   | 92       |
| 23) Vinyl Acetate            | 6.303          | 43   | 833169              | 234.020 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.267          | 63   | 203605              | 56.792  | ug/l   | 99       |
| 25) 2-Butanone               | 7.208          | 43   | 152404              | 241.069 | ug/l   | 90       |
| 26) 2,2-Dichloropropane      | 7.214          | 77   | 159067              | 52.572  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.214          | 96   | 118196              | 55.653  | ug/l   | 93       |
| 28) Bromochloromethane       | 7.544          | 49   | 85133               | 55.986  | ug/l   | 89       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 94844               | 256.836 | ug/l   | 91       |
| 30) Chloroform               | 7.708          | 83   | 208023              | 61.030  | ug/l   | 100      |
| 31) Cyclohexane              | 7.985          | 56   | 164284              | 43.954  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.903          | 97   | 174906              | 59.746  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.114          | 75   | 147608              | 54.951  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.291          | 43   | 67157               | 54.798  | ug/l # | 91       |
| 38) Carbon Tetrachloride     | 8.097          | 117  | 145471              | 58.806  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.350          | 83   | 164141              | 47.313  | ug/l   | 98       |
| 40) Benzene                  | 8.350          | 78   | 423343              | 55.961  | ug/l   | 98       |

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 ALS Vial : 22 Sample Multiplier: 1

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 ClientSampleId :  
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Manual Integrations  
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Quant Time: Nov 22 02:54:57 2021  
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 Quant Title : SW846 8260  
 QLast Update : Wed Nov 10 03:55:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 33514    | 38.717  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 132269   | 61.730  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 137368   | 52.963  | ug/l # | 89       |
| 44) Trichloroethene           | 9.114  | 130  | 106679   | 54.710  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 114905   | 56.165  | ug/l   | 99       |
| 46) Dibromomethane            | 9.473  | 93   | 58955    | 60.542  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.655  | 83   | 157111   | 60.998  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.455  | 41   | 67307    | 52.899  | ug/l # | 80       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 10603    | 939.755 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 350295   | 278.576 | ug/l   | 90       |
| 52) Toluene                   | 10.402 | 92   | 269875   | 56.594  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 139829   | 53.835  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 164931   | 53.849  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 10.797 | 97   | 77325    | 57.775  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 97382    | 51.425  | ug/l # | 72       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 139897   | 57.560  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 247925   | 251.838 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.979 | 43   | 233297   | 238.069 | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.132 | 129  | 96626    | 60.181  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 73379    | 56.364  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.873 | 164  | 89956    | 55.492  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.661 | 112  | 278605   | 56.170  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 102994   | 58.503  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.738 | 91   | 519280   | 55.282  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.844 | 106  | 392827   | 111.894 | ug/l   | 97       |
| 69) o-Xylene                  | 12.173 | 106  | 186341   | 55.802  | ug/l   | 97       |
| 70) Styrene                   | 12.185 | 104  | 321435   | 56.850  | ug/l   | 97       |
| 71) Bromoform                 | 12.349 | 173  | 52910    | 57.632  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.473 | 105  | 484593   | 50.933  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 126199   | 46.428  | ug/l   | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 87820    | 53.626  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 58173m   | 51.566  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 110627   | 54.419  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.808 | 91   | 610377   | 51.775  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 352068   | 52.376  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 410565   | 52.410  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 22898    | 39.831  | ug/l # | 75       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 361776   | 52.148  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.214 | 119  | 346448   | 51.340  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 407318   | 53.092  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.390 | 105  | 522915   | 51.543  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.508 | 119  | 435055   | 53.405  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 217389   | 54.693  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 216150   | 54.314  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.832 | 91   | 418994   | 51.179  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.102 | 117  | 83813    | 51.992  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.879 | 146  | 189579   | 55.045  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 13948    | 51.931  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.149 | 180  | 114133   | 51.796  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 61524    | 55.361  | ug/l   | 98       |
| 95) Naphthalene               | 15.384 | 128  | 213637   | 50.775  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 99294    | 53.593  | ug/l   | 96       |

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Quant Title : SW846 8260  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

