

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110222\  
 Data File : VD074701.D  
 Acq On : 02 Nov 2022 13:29  
 Operator : VA/SY  
 Sample : VSTDICC020  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 11/03/2022  
 Supervised By :Mahesh Dadoda 11/03/2022

Quant Time: Nov 03 01:43:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 01:37:46 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 146458     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 240814     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 212001     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 90695      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 24405      | 21.039   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 42.080%# |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 27657      | 19.415   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 38.840%# |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 111154     | 21.391   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 42.780%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.569         | 95   | 28204      | 18.799   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 37.600%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928          | 85   | 24469      | 20.342   | ug/l   | 95       |
| 3) Chloromethane             | 2.146          | 50   | 37576      | 19.576   | ug/l   | 92       |
| 4) Vinyl Chloride            | 2.281          | 62   | 40418      | 19.201   | ug/l   | 94       |
| 5) Bromomethane              | 2.669          | 94   | 30100      | 18.872   | ug/l   | 99       |
| 6) Chloroethane              | 2.822          | 64   | 28822      | 19.754   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.169          | 101  | 48190      | 19.705   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.593          | 74   | 13394      | 18.748   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.958          | 101  | 29463      | 18.966   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.158          | 142  | 27424      | 16.403   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.034          | 59   | 19633      | 95.503   | ug/l # | 89       |
| 12) 1,1-Dichloroethene       | 3.934          | 96   | 30237      | 19.164   | ug/l   | 84       |
| 13) Acrolein                 | 3.793          | 56   | 9210       | 115.364  | ug/l   | 100      |
| 14) Allyl chloride           | 4.558          | 41   | 32734      | 19.608   | ug/l   | 96       |
| 15) Acrylonitrile            | 5.252          | 53   | 26386      | 93.465   | ug/l   | 98       |
| 16) Acetone                  | 4.022          | 43   | 23156      | 95.660   | ug/l   | 90       |
| 17) Carbon Disulfide         | 4.269          | 76   | 89191      | 18.746   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.564          | 43   | 14533      | 19.854   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 56063      | 18.683   | ug/l   | 100      |
| 20) Methylene Chloride       | 4.799          | 84   | 53950      | 17.353   | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.305          | 96   | 31848      | 18.365   | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.216          | 45   | 66949      | 19.430   | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.158          | 43   | 127782     | 87.266   | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 6.110          | 63   | 51082      | 19.383   | ug/l   | 98       |
| 25) 2-Butanone               | 7.081          | 43   | 31560      | 94.823   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 45478      | 18.754   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 36376      | 19.016   | ug/l   | 99       |
| 28) Bromochloromethane       | 7.428          | 49   | 16465      | 19.797   | ug/l   | 92       |
| 29) Tetrahydrofuran          | 7.440          | 42   | 18918      | 99.109   | ug/l   | 95       |
| 30) Chloroform               | 7.593          | 83   | 54124      | 19.224   | ug/l   | 99       |
| 31) Cyclohexane              | 7.875          | 56   | 44238      | 18.837   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 48776      | 19.611   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.005          | 75   | 41252      | 19.078   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169          | 43   | 13508      | 18.727   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.987          | 117  | 39486      | 19.275   | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.275          | 83   | 50460      | 19.181   | ug/l   | 92       |
| 40) Benzene                  | 8.252          | 78   | 126437     | 19.784   | ug/l   | 96       |

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 ALS Vial : 5 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 01:37:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 7553     | 21.269  | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 27969    | 19.036  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.357  | 43   | 25849    | 19.260  | ug/l   | 97       |
| 44) Trichloroethene           | 9.028  | 130  | 34903    | 19.169  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 27682    | 19.584  | ug/l   | 94       |
| 46) Dibromomethane            | 9.393  | 93   | 16205    | 19.784  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.587  | 83   | 39413    | 19.986  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 11675    | 19.521  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 3262     | 394.889 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 65215    | 100.200 | ug/l   | 96       |
| 52) Toluene                   | 10.334 | 92   | 78879    | 20.158  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 34144    | 19.576  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 43198    | 19.738  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 22571    | 20.283  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 24030    | 19.314  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 36079    | 20.125  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 24873    | 76.341  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.922 | 43   | 45618    | 101.891 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.075 | 129  | 27395    | 20.622  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 21004    | 20.029  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 29860    | 19.938  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.604 | 112  | 75563    | 17.998  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 24446    | 17.162  | ug/l   | 94       |
| 67) Ethyl Benzene             | 11.681 | 91   | 131129   | 17.625  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.793 | 106  | 104722   | 35.454  | ug/l   | 99       |
| 69) o-Xylene                  | 12.122 | 106  | 48268    | 17.775  | ug/l   | 97       |
| 70) Styrene                   | 12.134 | 104  | 83181    | 18.081  | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 13610    | 17.841  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 128955   | 19.461  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.228 | 43   | 20920    | 19.438  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 21898    | 19.667  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 13845m   | 19.496  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 29338    | 19.229  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.763 | 91   | 155755   | 19.622  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 83100    | 19.442  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 105585   | 19.531  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 5391     | 18.201  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 88194    | 19.838  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 94181    | 19.769  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 104389   | 19.569  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 141619   | 19.703  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 115712   | 19.115  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 60367    | 19.082  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 59226    | 19.044  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.787 | 91   | 105544   | 19.064  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.051 | 117  | 19561    | 18.848  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 51431    | 19.087  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 3358     | 21.818  | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 31021    | 18.645  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 15705    | 18.045  | ug/l   | 99       |
| 95) Naphthalene               | 15.328 | 128  | 59593    | 18.648  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 27614    | 18.862  | ug/l   | 98       |

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APPROVED

Reviewed By :Krupa Patel 11/03/2022  
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Quant Time: Nov 03 01:43:09 2022  
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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

