

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD112122\  
 Data File : VD074998.D  
 Acq On : 21 Nov 2022 12:05  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 22 00:17:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 11/22/2022  
 Supervised By :Mahesh Dadoda 11/25/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 178753              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 292242              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 217676              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 102064              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 63700               | 54.119  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 108.240% |         |        |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 83096               | 46.127  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 92.260%  |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 248257              | 41.835  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 83.680%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 81856               | 44.922  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 89.840%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 56134               | 46.818  | ug/l   | 92       |
| 3) Chloromethane             | 2.146          | 50   | 100181              | 53.752  | ug/l   | 91       |
| 4) Vinyl Chloride            | 2.281          | 62   | 118388              | 47.233  | ug/l   | 100      |
| 5) Bromomethane              | 2.687          | 94   | 85787               | 45.488  | ug/l   | 93       |
| 6) Chloroethane              | 2.834          | 64   | 87388               | 47.478  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 143119              | 50.115  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.593          | 74   | 42243               | 51.591  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.963          | 101  | 91887               | 50.420  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.163          | 142  | 86423               | 40.842  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.058          | 59   | 22689               | 264.156 | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 89161               | 50.226  | ug/l   | 97       |
| 13) Acrolein                 | 3.799          | 56   | 12111               | 242.473 | ug/l   | 100      |
| 14) Allyl chloride           | 4.563          | 41   | 101435              | 53.421  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.252          | 53   | 84322               | 263.525 | ug/l   | 98       |
| 16) Acetone                  | 4.022          | 43   | 88083               | 298.495 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.269          | 76   | 228417              | 45.232  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.569          | 43   | 37816               | 49.057  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 184729              | 51.978  | ug/l   | 100      |
| 20) Methylene Chloride       | 4.805          | 84   | 125043              | 49.879  | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.310          | 96   | 99901               | 49.627  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.216          | 45   | 228298              | 53.943  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.157          | 43   | 544801              | 299.926 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.110          | 63   | 163198              | 51.636  | ug/l   | 98       |
| 25) 2-Butanone               | 7.081          | 43   | 104823              | 271.645 | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 152779              | 51.438  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 115242              | 51.602  | ug/l   | 100      |
| 28) Bromochloromethane       | 7.428          | 49   | 51875               | 50.875  | ug/l   | 95       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 55769               | 261.096 | ug/l   | 96       |
| 30) Chloroform               | 7.599          | 83   | 177178              | 51.188  | ug/l   | 98       |
| 31) Cyclohexane              | 7.875          | 56   | 125570              | 48.185  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 152484              | 51.117  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 129894              | 49.061  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.163          | 43   | 42494               | 47.832  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 124055              | 49.778  | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.275          | 83   | 139742              | 49.268  | ug/l   | 96       |
| 40) Benzene                  | 8.251          | 78   | 384755              | 50.539  | ug/l   | 100      |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 22 00:17:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 2022  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Krupa Patel 11/22/2022  
 Supervised By :Mahesh Dadoda 11/25/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.404  | 41   | 25708    | 54.560  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 89547    | 49.150  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.357  | 43   | 78465    | 50.146  | ug/l   | 99       |
| 44) Trichloroethene           | 9.028  | 130  | 109661   | 54.523  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 80803    | 47.237  | ug/l   | 92       |
| 46) Dibromomethane            | 9.398  | 93   | 43278    | 45.176  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.587  | 83   | 109905   | 46.227  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.381  | 41   | 32988    | 47.592  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 9346     | 994.228 | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 180028   | 241.340 | ug/l   | 97       |
| 52) Toluene                   | 10.334 | 92   | 214879   | 47.207  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 102323   | 48.719  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 123567   | 47.975  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 62095    | 46.616  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 68462    | 42.939  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 100973   | 47.150  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 143014   | 253.538 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.922 | 43   | 130833   | 251.594 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.075 | 129  | 71950    | 45.532  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 56686    | 45.503  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 73574    | 50.411  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.610 | 112  | 229250   | 53.836  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 81323    | 54.506  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.687 | 91   | 410125   | 55.282  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.792 | 106  | 322142   | 108.907 | ug/l   | 100      |
| 69) o-Xylene                  | 12.122 | 106  | 150921   | 55.457  | ug/l   | 96       |
| 70) Styrene                   | 12.139 | 104  | 259670   | 55.665  | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 40849    | 52.901  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.422 | 105  | 402066   | 57.233  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.234 | 43   | 63334    | 54.796  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 68298    | 54.962  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 39467m   | 46.232  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 88029    | 53.547  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.763 | 91   | 489344   | 56.668  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 263123   | 56.551  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 328815   | 56.175  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 19831    | 57.148  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 273888   | 56.526  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 286320   | 56.373  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 326854   | 56.459  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 443634   | 57.423  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 364283   | 56.706  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 182854   | 53.470  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 181360   | 53.434  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.792 | 91   | 344603   | 57.778  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.057 | 117  | 64275    | 55.864  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 156326   | 53.756  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 8974     | 52.380  | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 98044    | 55.387  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 49831    | 54.574  | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 179347   | 54.587  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 83672    | 54.659  | ug/l   | 99       |

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

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

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