

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062223\  
 Data File : VD076549.D  
 Acq On : 22 Jun 2023 20:12  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 06/23/2023  
 Supervised By :Mahesh Dadoda 06/23/2023

Quant Time: Jun 23 06:37:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.869          | 168  | 106974              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 191502              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 178871              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 89967               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 57896               | 54.018  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 108.040% |         |        |          |
| 35) Dibromofluoromethane     | 7.799          | 113  | 60089               | 52.818  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 105.640% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 212296              | 49.205  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 98.420%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 74208               | 52.997  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 106.000% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928          | 85   | 37564               | 46.212  | ug/l   | 87       |
| 3) Chloromethane             | 2.146          | 50   | 77909               | 46.085  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.275          | 62   | 85831               | 45.514  | ug/l   | 94       |
| 5) Bromomethane              | 2.681          | 94   | 49625               | 40.472  | ug/l   | 97       |
| 6) Chloroethane              | 2.828          | 64   | 61809               | 47.820  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.164          | 101  | 79484               | 51.216  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.587          | 74   | 29006               | 49.662  | ug/l   | 70       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964          | 101  | 46643               | 46.668  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.158          | 142  | 57519               | 48.542  | ug/l # | 89       |
| 11) Tert butyl alcohol       | 5.058          | 59   | 21264               | 229.786 | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 3.934          | 96   | 45031               | 46.004  | ug/l   | 87       |
| 13) Acrolein                 | 3.793          | 56   | 22490               | 225.636 | ug/l   | 99       |
| 14) Allyl chloride           | 4.558          | 41   | 78353               | 43.769  | ug/l # | 86       |
| 15) Acrylonitrile            | 5.246          | 53   | 74349               | 247.553 | ug/l   | 99       |
| 16) Acetone                  | 4.022          | 43   | 51269               | 201.020 | ug/l # | 78       |
| 17) Carbon Disulfide         | 4.258          | 76   | 117325              | 43.868  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.564          | 43   | 57673               | 49.068  | ug/l # | 84       |
| 19) Methyl tert-butyl Ether  | 5.311          | 73   | 136938              | 51.144  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.793          | 84   | 66401               | 45.795  | ug/l # | 75       |
| 21) trans-1,2-Dichloroethene | 5.305          | 96   | 53648               | 47.419  | ug/l   | 85       |
| 22) Diisopropyl ether        | 6.216          | 45   | 184107              | 47.563  | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.152          | 43   | 458944              | 239.200 | ug/l # | 86       |
| 24) 1,1-Dichloroethane       | 6.105          | 63   | 106835              | 49.426  | ug/l   | 97       |
| 25) 2-Butanone               | 7.087          | 43   | 93792               | 237.763 | ug/l # | 71       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 79079               | 42.434  | ug/l   | 94       |
| 27) cis-1,2-Dichloroethene   | 7.075          | 96   | 66292               | 48      |        |          |

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|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 25606    | 49.120   | ug/l # | 80       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 69584    | 53.006   | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 82913    | 47.440   | ug/l # | 74       |
| 44) Trichloroethene           | 9.028  | 130  | 60995    | 46.541   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 63842    | 48.466   | ug/l   | 100      |
| 46) Dibromomethane            | 9.393  | 93   | 36265    | 51.392   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.581  | 83   | 87491    | 51.811   | ug/l # | 97       |
| 48) Methyl methacrylate       | 9.375  | 41   | 35713    | 44.582   | ug/l # | 72       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 8538     | 1009.850 | ug/l # | 68       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 215738   | 241.479  | ug/l   | 86       |
| 52) Toluene                   | 10.334 | 92   | 150916   | 49.502   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 81878    | 47.783   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 95403    | 46.961   | ug/l # | 80       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 50488    | 51.150   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 64322    | 49.908   | ug/l # | 70       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 83521    | 49.422   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 127522   | 233.384  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.922 | 43   | 149071   | 239.875  | ug/l   | 83       |
| 60) Dibromochloromethane      | 11.075 | 129  | 60307    | 52.499   | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 49162    | 53.057   | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.804 | 164  | 54738    | 50.981   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.604 | 112  | 162826   | 47.915   | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 62371    | 51.322   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.681 | 91   | 289612   | 48.098   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.793 | 106  | 218254   | 92.855   | ug/l   | 88       |
| 69) o-Xylene                  | 12.122 | 106  | 108124   | 48.325   | ug/l   | 92       |
| 70) Styrene                   | 12.134 | 104  | 194672   | 50.367   | ug/l   | 96       |
| 71) Bromoform                 | 12.298 | 173  | 37595    | 51.522   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.422 | 105  | 279816   | 46.195   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 78800    | 44.437   | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 59950    | 47.963   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 39908m   | 44.695   | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 69416    | 46.451   | ug/l   | 86       |
| 78) n-propylbenzene           | 12.763 | 91   | 339792   | 45.432   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 190084   | 46.283   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 234112   | 47.327   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 17037    | 41.810   | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 202253   | 47.419   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 208734   | 47.490   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 237489   | 47.641   | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 298819   | 45.813   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 254707   | 46.734   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 138720   |          |        |          |

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

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