

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011123\  
 Data File : VD075117.D  
 Acq On : 11 Jan 2023 11:39  
 Operator : KP/SY  
 Sample : VD0111SBSD01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0111SBSD01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 01/12/2023  
 Supervised By :Mahesh Dadoda 01/12/2023

Quant Time: Jan 12 04:27:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010923S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 10 03:36:33 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 87461               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 160181              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 140823              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 61552               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 47274               | 53.914  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 107.820% |         |        |          |
| 35) Dibromofluoromethane     | 7.810          | 113  | 50484               | 50.104  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 100.200% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 194780              | 48.755  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 97.500%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 64038               | 49.939  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 99.880%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 12090               | 27.714  | ug/l   | 86       |
| 3) Chloromethane             | 2.146          | 50   | 16853               | 24.110  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.281          | 62   | 17151               | 21.491  | ug/l   | 98       |
| 5) Bromomethane              | 2.681          | 94   | 12164               | 24.015  | ug/l   | 100      |
| 6) Chloroethane              | 2.834          | 64   | 13208               | 22.218  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.181          | 101  | 27346               | 23.725  | ug/l   | 92       |
| 8) Diethyl Ether             | 3.587          | 74   | 9083                | 22.705  | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 3.969          | 101  | 19286               | 24.117  | ug/l   | 92       |
| 10) Methyl Iodide            | 4.169          | 142  | 17320               | 21.454  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.052          | 59   | 7977                | 127.208 | ug/l # | 84       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 16936               | 22.837  | ug/l   | 90       |
| 13) Acrolein                 | 3.805          | 56   | 9366                | 119.520 | ug/l   | 96       |
| 14) Allyl chloride           | 4.563          | 41   | 31613               | 24.901  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.258          | 53   | 23234               | 112.664 | ug/l   | 99       |
| 16) Acetone                  | 4.016          | 43   | 20526               | 98.796  | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.275          | 76   | 42019               | 30.828  | ug/l   | 96       |
| 18) Methyl Acetate           | 4.563          | 43   | 13951               | 24.393  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 43361               | 22.324  | ug/l   | 96       |
| 20) Methylene Chloride       | 4.799          | 84   | 32264               | 25.769  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 19400               | 23.858  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.222          | 45   | 64422               | 23.708  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.152          | 43   | 117194m             | 117.788 | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.110          | 63   | 39352               | 24.082  | ug/l   | 97       |
| 25) 2-Butanone               | 7.081          | 43   | 29155               | 105.937 | ug/l # | 88       |
| 26) 2,2-Dichloropropane      | 7.081          | 77   | 34741               | 23.705  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.087          | 96   | 24516               | 23.880  | ug/l   | 94       |
| 28) Bromochloromethane       | 7.422          | 49   | 12960               | 22.866  | ug/l # | 99       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 16883               | 109.043 | ug/l   | 99       |
| 30) Chloroform               | 7.599          | 83   | 38487               | 23.243  | ug/l   | 93       |
| 31) Cyclohexane              | 7.881          | 56   | 31879               | 26.830  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 32122               | 22.608  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 27729               | 22.243  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.169          | 43   | 13864               | 20.207  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.987          | 117  | 23328               | 21.359  | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.275          | 83   | 34173               | 23.700  | ug/l   | 96       |
| 40) Benzene                  | 8.251          | 78   | 84893               | 22.824  | ug/l   | 95       |

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 Quant Title : SW846 8260  
 QLast Update : Tue Jan 10 03:36:33 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 8233     | 19.289  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 22552    | 21.636  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 24051    | 20.049  | ug/l   | 98       |
| 44) Trichloroethene           | 9.034  | 130  | 22546    | 21.091  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 22476    | 22.177  | ug/l   | 98       |
| 46) Dibromomethane            | 9.398  | 93   | 10903    | 21.286  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.581  | 83   | 28609    | 21.388  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.381  | 41   | 11622    | 21.502  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 2209     | 396.001 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 61722    | 101.890 | ug/l   | 100      |
| 52) Toluene                   | 10.334 | 92   | 53367    | 22.132  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 25757    | 21.069  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 31863    | 21.280  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 15409    | 20.655  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 18822    | 20.887  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 27563    | 22.241  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 37805    | 111.125 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.922 | 43   | 40308    | 95.126  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.075 | 129  | 18285    | 20.700  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 14165    | 20.913  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 17974    | 19.904  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.610 | 112  | 57033    | 21.517  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 19362    | 20.673  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.687 | 91   | 102593   | 21.737  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.792 | 106  | 78024    | 42.887  | ug/l   | 98       |
| 69) o-Xylene                  | 12.122 | 106  | 37279    | 21.143  | ug/l   | 97       |
| 70) Styrene                   | 12.140 | 104  | 64435    | 21.866  | ug/l   | 100      |
| 71) Bromoform                 | 12.304 | 173  | 10392    | 20.643  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.422 | 105  | 101949   | 22.152  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 22183    | 21.221  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 17031    | 21.593  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 12808m   | 21.808  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 21187    | 21.029  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.763 | 91   | 121415   | 21.997  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 67611    | 22.289  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 81519    | 21.834  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 4354     | 19.688  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 68214    | 21.954  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 70421    | 21.371  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 78943    | 21.878  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 110185   | 22.069  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 87538    | 21.705  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 43203    | 21.537  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 43306    | 21.349  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.792 | 91   | 86506    | 21.810  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 14983    | 21.313  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 37637    | 20.962  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 2754     | 21.712  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 21943    | 18.901  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 10434    | 18.029  | ug/l   | 91       |
| 95) Naphthalene               | 15.333 | 128  | 57171    | 25.079  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 19741    | 19.685  | ug/l   | 94       |

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Quant Title : SW846 8260  
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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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