

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091622\  
 Data File : VD074328.D  
 Acq On : 16 Sep 2022 13:57  
 Operator : VA/SY  
 Sample : VSTDICC100  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/19/2022  
 Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 02:39:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D091622S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 17 02:35:20 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 107601               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 179601               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.575         | 117  | 159810               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.510         | 152  | 72474                | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 104783               | 99.979  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 199.960%# |         |        |          |
| 35) Dibromofluoromethane     | 7.811          | 113  | 107237               | 90.659  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 181.320%# |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 454198               | 111.283 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 222.560%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.569         | 95   | 128896               | 81.326  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 162.660%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 92271                | 93.089  | ug/l   | 95       |
| 3) Chloromethane             | 2.146          | 50   | 93467                | 99.155  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.281          | 62   | 94587                | 102.243 | ug/l   | 97       |
| 5) Bromomethane              | 2.670          | 94   | 56161                | 98.194  | ug/l   | 99       |
| 6) Chloroethane              | 2.828          | 64   | 55115                | 101.402 | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.170          | 101  | 179503               | 99.572  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.587          | 74   | 55314                | 96.257  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.958          | 101  | 112314               | 99.083  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.158          | 142  | 154230               | 110.148 | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.058          | 59   | 30570                | 431.614 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.934          | 96   | 116878               | 101.293 | ug/l   | 97       |
| 13) Acrolein                 | 3.793          | 56   | 33338                | 436.458 | ug/l   | 99       |
| 14) Allyl chloride           | 4.558          | 41   | 173190               | 103.712 | ug/l   | 99       |
| 15) Acrylonitrile            | 5.258          | 53   | 125326               | 494.785 | ug/l   | 99       |
| 16) Acetone                  | 4.028          | 43   | 133842               | 566.845 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.270          | 76   | 393092               | 104.626 | ug/l   | 99       |
| 18) Methyl Acetate           | 4.564          | 43   | 62965                | 89.770  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.317          | 73   | 247691               | 100.241 | ug/l   | 98       |
| 20) Methylene Chloride       | 4.799          | 84   | 134187               | 66.881  | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.311          | 96   | 130859               | 102.426 | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.216          | 45   | 356906               | 101.474 | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.158          | 43   | 905116               | 562.653 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.111          | 63   | 226603               | 100.094 | ug/l   | 97       |
| 25) 2-Butanone               | 7.087          | 43   | 174397               | 495.891 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 190695               | 102.038 | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 143441               | 101.338 | ug/l   | 98       |
| 28) Bromochloromethane       | 7.428          | 49   | 89242                | 102.087 | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.440          | 42   | 97899                | 485.741 | ug/l   | 99       |
| 30) Chloroform               | 7.593          | 83   | 217794               | 97.836  | ug/l   | 92       |
| 31) Cyclohexane              | 7.875          | 56   | 213126               | 96.960  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 195084               | 99.342  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.005          | 75   | 185649               | 102.818 | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.164          | 43   | 70909                | 98.025  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 168905               | 105.558 | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.275          | 83   | 230367               | 105.477 | ug/l   | 98       |
| 40) Benzene                  | 8.252          | 78   | 515744               | 101.869 | ug/l   | 100      |

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
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Reviewed By :Krupa Patel 09/19/2022  
 Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 02:39:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D091622S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 17 02:35:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 45147    | 117.652  | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 127261   | 98.423   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 134003   | 100.409  | ug/l   | 99       |
| 44) Trichloroethene           | 9.028  | 130  | 135404   | 101.725  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 129952   | 102.062  | ug/l   | 100      |
| 46) Dibromomethane            | 9.393  | 93   | 66468    | 101.487  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.581  | 83   | 162061   | 100.462  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.381  | 41   | 64122    | 99.285   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 14147    | 1973.800 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 346930   | 494.783  | ug/l   | 99       |
| 52) Toluene                   | 10.334 | 92   | 322147   | 103.301  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 156305   | 108.602  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 195677   | 105.087  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 84786    | 98.279   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.593 | 69   | 118362   | 104.734  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 155722   | 99.872   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 163678   | 569.584  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.916 | 43   | 252159   | 514.137  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.075 | 129  | 103469   | 100.153  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 81732    | 98.649   | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.805 | 164  | 106181   | 98.020   | ug/l   | 91       |
| 65) Chlorobenzene             | 11.604 | 112  | 332836   | 101.096  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.675 | 131  | 116673   | 103.197  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.681 | 91   | 640770   | 106.087  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.787 | 106  | 478321   | 206.738  | ug/l   | 98       |
| 69) o-Xylene                  | 12.116 | 106  | 225755   | 106.771  | ug/l   | 99       |
| 70) Styrene                   | 12.128 | 104  | 372855   | 103.541  | ug/l   | 99       |
| 71) Bromoform                 | 12.293 | 173  | 58835    | 96.977   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.416 | 105  | 592631   | 106.320  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.228 | 43   | 127253   | 103.301  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.663 | 83   | 96807    | 99.957   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.716 | 75   | 63222m   | 94.097   | ug/l   |          |
| 77) Bromobenzene              | 12.693 | 156  | 125276   | 102.852  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.757 | 91   | 731224   | 105.752  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 383149   | 105.073  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.899 | 105  | 478247   | 104.929  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 28516    | 106.582  | ug/l # | 100      |
| 82) 4-Chlorotoluene           | 12.940 | 91   | 386913   | 102.317  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.157 | 119  | 423965   | 104.896  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.204 | 105  | 467561   | 104.271  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 631787   | 105.338  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.451 | 119  | 527734   | 105.284  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.451 | 146  | 254484   | 101.641  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 245037   | 100.139  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.781 | 91   | 513124   | 104.518  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.046 | 117  | 96114    | 101.598  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.822 | 146  | 212736   | 100.772  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.434 | 75   | 13453    | 93.446   | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.092 | 180  | 147013   | 103.233  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.193 | 225  | 81615    | 100.877  | ug/l   | 97       |
| 95) Naphthalene               | 15.322 | 128  | 278867   | 105.645  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.510 | 180  | 124332   | 101.585  | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Sat Sep 17 02:35:20 2022  
Response via : Initial Calibration

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

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

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