

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081922\  
 Data File : VD074153.D  
 Acq On : 19 Aug 2022 17:27  
 Operator : VA/SY  
 Sample : VD0819SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0819SBS02

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/22/2022  
 Supervised By :Mahesh Dadoda 08/22/2022

Quant Time: Aug 20 01:26:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 19 09:25:06 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.967          | 168  | 173959              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.856          | 114  | 291528              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 269366              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.555         | 152  | 129418              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.320          | 65   | 59113               | 45.107  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 90.220%  |         |        |          |
| 35) Dibromofluoromethane     | 7.909          | 113  | 72080               | 50.482  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 100.960% |         |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 187868              | 46.689  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 93.380%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.614         | 95   | 99602               | 45.659  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 91.320%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 43766               | 23.992  | ug/l   | 100      |
| 3) Chloromethane             | 2.209          | 50   | 27971               | 17.868  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.344          | 62   | 26845               | 18.203  | ug/l   | 97       |
| 5) Bromomethane              | 2.756          | 94   | 14959               | 17.002  | ug/l   | 90       |
| 6) Chloroethane              | 2.909          | 64   | 16585               | 18.502  | ug/l   | 89       |
| 7) Trichlorofluoromethane    | 3.256          | 101  | 71453               | 21.214  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.703          | 74   | 16843               | 17.919  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.085          | 101  | 42123               | 21.228  | ug/l   | 93       |
| 10) Methyl Iodide            | 4.291          | 142  | 43713               | 19.258  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.232          | 59   | 15197               | 110.821 | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 4.056          | 96   | 36808               | 19.684  | ug/l   | 91       |
| 13) Acrolein                 | 3.915          | 56   | 15788               | 101.382 | ug/l   | 98       |
| 14) Allyl chloride           | 4.703          | 41   | 57447               | 18.669  | ug/l   | 92       |
| 15) Acrylonitrile            | 5.420          | 53   | 42999               | 94.718  | ug/l   | 98       |
| 16) Acetone                  | 4.156          | 43   | 35055               | 93.535  | ug/l # | 82       |
| 17) Carbon Disulfide         | 4.397          | 76   | 118112              | 18.805  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.709          | 43   | 21861               | 18.668  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 81696               | 18.858  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.956          | 84   | 67430               | 19.630  | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.462          | 96   | 43538               | 20.089  | ug/l   | 84       |
| 22) Diisopropyl ether        | 6.362          | 45   | 115890              | 18.974  | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.297          | 43   | 298549              | 91.905  | ug/l # | 93       |
| 24) 1,1-Dichloroethane       | 6.256          | 63   | 74499               | 19.269  | ug/l   | 97       |
| 25) 2-Butanone               | 7.203          | 43   | 57290               | 93.682  | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 7.197          | 77   | 69662               | 20.994  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.203          | 96   | 45279               | 19.494  | ug/l   | 96       |
| 28) Bromochloromethane       | 7.538          | 49   | 24651               | 20.022  | ug/l # | 83       |
| 29) Tetrahydrofuran          | 7.556          | 42   | 34564               | 93.194  | ug/l   | 95       |
| 30) Chloroform               | 7.703          | 83   | 79653               | 19.971  | ug/l   | 98       |
| 31) Cyclohexane              | 7.973          | 56   | 70154               | 19.043  | ug/l # | 90       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 73445               | 20.695  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.103          | 75   | 60717               | 20.347  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.285          | 43   | 23768               | 17.774  | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 61226               | 20.747  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.344          | 83   | 69034               | 19.848  | ug/l   | 99       |
| 40) Benzene                  | 8.338          | 78   | 172437              | 20.927  | ug/l   | 96       |

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Manual Integrations  
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Quant Time: Aug 20 01:26:16 2022  
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 Quant Title : SW846 8260  
 QLast Update : Fri Aug 19 09:25:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 13923    | 20.233  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 49899    | 20.361  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 48199    | 19.463  | ug/l   | 94       |
| 44) Trichloroethene           | 9.103  | 130  | 46532    | 20.911  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 41606    | 19.929  | ug/l   | 94       |
| 46) Dibromomethane            | 9.467  | 93   | 22923    | 19.692  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.650  | 83   | 61097    | 20.760  | ug/l # | 95       |
| 48) Methyl methacrylate       | 9.444  | 41   | 23084    | 18.914  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.450  | 88   | 5266     | 422.012 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.214 | 43   | 120434   | 94.494  | ug/l   | 95       |
| 52) Toluene                   | 10.391 | 92   | 104676   | 20.584  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 52970    | 19.808  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 63380    | 19.857  | ug/l   | 88       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 31866    | 20.792  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.650 | 69   | 35401    | 18.892  | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 10.932 | 76   | 52367    | 19.299  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 60712    | 110.534 | ug/l   | 91       |
| 59) 2-Hexanone                | 10.973 | 43   | 80732    | 94.971  | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.126 | 129  | 39592    | 20.514  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 30235    | 20.304  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.867 | 164  | 39232    | 21.457  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.655 | 112  | 112820   | 20.591  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.726 | 131  | 43074    | 21.734  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.732 | 91   | 199296   | 20.596  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.838 | 106  | 157685   | 42.397  | ug/l   | 97       |
| 69) o-Xylene                  | 12.167 | 106  | 71588    | 20.593  | ug/l   | 96       |
| 70) Styrene                   | 12.179 | 104  | 123214   | 20.749  | ug/l   | 97       |
| 71) Bromoform                 | 12.344 | 173  | 23541    | 22.213  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.461 | 105  | 186820   | 19.821  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.273 | 43   | 43499    | 18.387  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 36554    | 20.258  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 27732m   | 20.692  | ug/l   |          |
| 77) Bromobenzene              | 12.744 | 156  | 43473    | 20.117  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.802 | 91   | 240523   | 20.584  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 138160   | 20.601  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 165059   | 20.945  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 10313    | 20.136  | ug/l # | 80       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 144013   | 20.404  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 133969   | 20.104  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 160821   | 20.717  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 208431   | 20.575  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.497 | 119  | 173937   | 20.682  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.497 | 146  | 92367    | 21.415  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 91446    | 21.232  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.826 | 91   | 162049   | 19.758  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.091 | 117  | 34120    | 20.758  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 79158    | 20.765  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 5977     | 19.301  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.138 | 180  | 44184    | 19.825  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.243 | 225  | 24859    | 21.029  | ug/l   | 97       |
| 95) Naphthalene               | 15.373 | 128  | 82764    | 18.335  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.567 | 180  | 38958    | 19.821  | ug/l   | 99       |

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ALS Vial : 9 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Fri Aug 19 09:25:06 2022  
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Instrument :  
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APPROVED

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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

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