

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080222\  
 Data File : VD073920.D  
 Acq On : 02 Aug 2022 12:01  
 Operator : VA/SY  
 Sample : VD0802SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0802SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/03/2022  
 Supervised By :Mahesh Dadoda 08/03/2022

Quant Time: Aug 03 04:10:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 02 05:13:57 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 176821     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855          | 114  | 286692     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 263215     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 129080     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.320          | 65   | 72298      | 49.667  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 99.340% |        |          |
| 35) Dibromofluoromethane     | 7.908          | 113  | 81853      | 45.952  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 91.900% |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 267135     | 44.521  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 89.040% |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 103222     | 46.781  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 93.560% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 30142      | 18.935  | ug/l   | 93       |
| 3) Chloromethane             | 2.209          | 50   | 37984      | 16.906  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.344          | 62   | 50792      | 18.332  | ug/l   | 98       |
| 5) Bromomethane              | 2.756          | 94   | 34004      | 17.379  | ug/l   | 97       |
| 6) Chloroethane              | 2.915          | 64   | 36059      | 18.504  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.267          | 101  | 55425      | 18.660  | ug/l   | 95       |
| 8) Diethyl Ether             | 3.703          | 74   | 13049      | 17.456  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.085          | 101  | 33687      | 19.132  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.297          | 142  | 32074      | 16.659  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.214          | 59   | 13822      | 123.372 | ug/l # | 75       |
| 12) 1,1-Dichloroethene       | 4.062          | 96   | 28687      | 18.388  | ug/l   | 96       |
| 13) Acrolein                 | 3.914          | 56   | 4185       | 60.382  | ug/l   | 100      |
| 14) Allyl chloride           | 4.709          | 41   | 39436      | 18.696  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.414          | 53   | 29798      | 93.109  | ug/l   | 97       |
| 16) Acetone                  | 4.156          | 43   | 25556      | 77.524  | ug/l   | 91       |
| 17) Carbon Disulfide         | 4.409          | 76   | 65304      | 14.880  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.720          | 43   | 15693      | 17.129  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 69459      | 18.390  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.956          | 84   | 47807      | 13.742  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 32126      | 17.279  | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.361          | 45   | 85835      | 18.743  | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.297          | 43   | 225124     | 93.010  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.256          | 63   | 58229      | 18.797  | ug/l   | 98       |
| 25) 2-Butanone               | 7.208          | 43   | 37016      | 85.774  | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 7.203          | 77   | 59264      | 18.920  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.197          | 96   | 38207      | 18.254  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.538          | 49   | 18940      | 18.321  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.555          | 42   | 23670      | 93.871  | ug/l   | 99       |
| 30) Chloroform               | 7.702          | 83   | 67758      | 19.195  | ug/l   | 97       |
| 31) Cyclohexane              | 7.979          | 56   | 46126      | 16.846  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 62248      | 18.520  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 45091      | 17.773  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.291          | 43   | 16573      | 17.541  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 52262      | 18.389  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.349          | 83   | 50345      | 16.930  | ug/l   | 98       |
| 40) Benzene                  | 8.344          | 78   | 128022     | 18.390  | ug/l   | 95       |

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 Sample : VD0802SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/soil  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0802SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/03/2022  
 Supervised By :Mahesh Dadoda 08/03/2022

Quant Time: Aug 03 04:10:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 02 05:13:57 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 11406    | 20.912  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 41167    | 19.267  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.450  | 43   | 35808    | 19.138  | ug/l   | 99       |
| 44) Trichloroethene           | 9.102  | 130  | 38522    | 18.368  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 32302    | 19.283  | ug/l   | 92       |
| 46) Dibromomethane            | 9.467  | 93   | 19606    | 18.197  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.655  | 83   | 50764    | 19.021  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.449  | 41   | 16867    | 19.318  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 4306     | 379.214 | ug/l   | 87       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 84142    | 90.076  | ug/l   | 98       |
| 52) Toluene                   | 10.391 | 92   | 86931    | 18.351  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 45856    | 18.665  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 51126    | 18.382  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 26674    | 19.249  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.649 | 69   | 28013    | 17.755  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.932 | 76   | 41530    | 18.518  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 52934    | 87.670  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.973 | 43   | 57762    | 91.380  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.126 | 129  | 34408    | 18.403  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.232 | 107  | 25821    | 18.383  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.867 | 164  | 31907    | 17.033  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.661 | 112  | 99484    | 19.065  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 38488    | 19.256  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.732 | 91   | 167803   | 18.207  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.843 | 106  | 134361   | 36.775  | ug/l   | 98       |
| 69) o-Xylene                  | 12.173 | 106  | 63167    | 18.460  | ug/l   | 98       |
| 70) Styrene                   | 12.179 | 104  | 105029   | 18.172  | ug/l   | 97       |
| 71) Bromoform                 | 12.349 | 173  | 20078    | 18.289  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 171172   | 19.232  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.273 | 43   | 32972    | 18.500  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 30028    | 19.805  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 19529m   | 18.387  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 38225    | 18.244  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.808 | 91   | 207575   | 19.178  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.890 | 91   | 117190   | 18.927  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.943 | 105  | 143388   | 18.963  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 8705     | 19.348  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.990 | 91   | 121368   | 18.700  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 125359   | 19.041  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 142833   | 19.121  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.385 | 105  | 188855   | 18.958  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.496 | 119  | 159348   | 19.043  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 84434    | 19.298  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 81938    | 18.906  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.826 | 91   | 147989   | 19.180  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.090 | 117  | 29321    | 19.121  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 72932    | 19.496  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 4706     | 18.223  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.137 | 180  | 43743    | 18.805  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.243 | 225  | 23349    | 18.475  | ug/l   | 96       |
| 95) Naphthalene               | 15.373 | 128  | 76924    | 18.105  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 36029    | 17.919  | ug/l   | 99       |

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Sample : VD0802SBSD01  
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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0802SBSD01

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 08/03/2022  
Supervised By :Mahesh Dadoda 08/03/2022

Quant Time: Aug 03 04:10:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D080122S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 02 05:13:57 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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