

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081522\  
 Data File : VD074094.D  
 Acq On : 15 Aug 2022 16:37  
 Operator : VA/SY  
 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD081522

Quant Time: Aug 16 01:44:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081522S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 01:41:25 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/16/2022  
 Supervised By :Mahesh Dadoda 08/16/2022

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.967          | 168  | 174846     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.850          | 114  | 276298     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 259712     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.555         | 152  | 135878     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.320          | 65   | 61355      | 46.619  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 93.240% |        |          |
| 35) Dibromofluoromethane     | 7.902          | 113  | 78370      | 44.387  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 88.780% |        |          |
| 50) Toluene-d8               | 10.326         | 98   | 218798     | 40.816  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 81.640% |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 106419     | 48.074  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 96.140% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 58608      | 46.732  | ug/l   | 99       |
| 3) Chloromethane             | 2.209          | 50   | 78298      | 50.593  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.344          | 62   | 111729     | 43.231  | ug/l   | 98       |
| 5) Bromomethane              | 2.767          | 94   | 82473      | 39.991  | ug/l   | 96       |
| 6) Chloroethane              | 2.915          | 64   | 89544      | 48.363  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.262          | 101  | 132047     | 47.244  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.703          | 74   | 36116      | 47.093  | ug/l   | 74       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091          | 101  | 80130      | 49.807  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.291          | 142  | 71173      | 41.589  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.220          | 59   | 27537      | 290.080 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 4.062          | 96   | 67144      | 49.207  | ug/l # | 80       |
| 13) Acrolein                 | 3.914          | 56   | 18753      | 226.408 | ug/l   | 97       |
| 14) Allyl chloride           | 4.709          | 41   | 92839      | 45.685  | ug/l # | 90       |
| 15) Acrylonitrile            | 5.409          | 53   | 78844      | 257.389 | ug/l   | 94       |
| 16) Acetone                  | 4.150          | 43   | 75256      | 242.055 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.403          | 76   | 155950     | 46.804  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.714          | 43   | 35210      | 50.183  | ug/l # | 85       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 180756     | 51.199  | ug/l   | 91       |
| 20) Methylene Chloride       | 4.956          | 84   | 86774      | 47.410  | ug/l # | 82       |
| 21) trans-1,2-Dichloroethene | 5.461          | 96   | 79583      | 45.425  | ug/l # | 82       |
| 22) Diisopropyl ether        | 6.356          | 45   | 217026     | 49.334  | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.291          | 43   | 598483     | 265.506 | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 6.256          | 63   | 142853     | 46.974  | ug/l   | 98       |
| 25) 2-Butanone               | 7.203          | 43   | 106071     | 237.345 | ug/l # | 86       |
| 26) 2,2-Dichloropropane      | 7.197          | 77   | 147192     | 46.685  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.197          | 96   | 95543      | 46.268  | ug/l   | 88       |
| 28) Bromochloromethane       | 7.538          | 49   | 51034      | 44.964  | ug/l # | 70       |
| 29) Tetrahydrofuran          | 7.550          | 42   | 60183      | 246.423 | ug/l # | 81       |
| 30) Chloroform               | 7.697          | 83   | 166021     | 46.702  | ug/l   | 96       |
| 31) Cyclohexane              | 7.979          | 56   | 105783     | 48.217  | ug/l   | 86       |
| 32) 1,1,1-Trichloroethane    | 7.891          | 97   | 153970     | 45.935  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.102          | 75   | 113869     | 47.291  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.279          | 43   | 48796      | 51.101  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 8.085          | 117  | 133911     | 48.189  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.344          | 83   | 123602     | 46.559  | ug/l   | 93       |
| 40) Benzene                  | 8.338          | 78   | 322543     | 47.404  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081522\  
 Data File : VD074094.D  
 Acq On : 15 Aug 2022 16:37  
 Operator : VA/SY  
 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD081522

Quant Time: Aug 16 01:44:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081522S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 01:41:25 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/16/2022  
 Supervised By :Mahesh Dadoda 08/16/2022

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 24727    | 51.244   | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 98790    | 48.062   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.438  | 43   | 92675    | 52.881   | ug/l # | 92       |
| 44) Trichloroethene           | 9.102  | 130  | 93278    | 46.819   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.373  | 63   | 78780    | 47.797   | ug/l   | 99       |
| 46) Dibromomethane            | 9.461  | 93   | 50435    | 48.275   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.649  | 83   | 131466   | 48.948   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.444  | 41   | 40774    | 50.888   | ug/l # | 75       |
| 49) 1,4-Dioxane               | 9.449  | 88   | 11125    | 1094.575 | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.214 | 43   | 240863   | 268.451  | ug/l   | 93       |
| 52) Toluene                   | 10.391 | 92   | 219226   | 49.275   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 115692   | 50.537   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 133988   | 50.617   | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.785 | 97   | 68289    | 49.114   | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.649 | 69   | 77166    | 54.580   | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 10.932 | 76   | 109005   | 49.460   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 127436   | 234.800  | ug/l # | 89       |
| 59) 2-Hexanone                | 10.973 | 43   | 167334   | 272.726  | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.126 | 129  | 91075    | 48.444   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.232 | 107  | 65642    | 48.614   | ug/l   | 95       |
| 64) Tetrachloroethene         | 10.861 | 164  | 78138    | 47.553   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.655 | 112  | 243853   | 47.996   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 95547    | 47.848   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.732 | 91   | 434568   | 49.962   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.843 | 106  | 353993   | 101.370  | ug/l   | 95       |
| 69) o-Xylene                  | 12.167 | 106  | 160812   | 50.540   | ug/l   | 93       |
| 70) Styrene                   | 12.179 | 104  | 286819   | 51.701   | ug/l   | 96       |
| 71) Bromoform                 | 12.343 | 173  | 54476    | 52.070   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 446790   | 52.312   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.273 | 43   | 87928    | 53.619   | ug/l # | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 79668    | 50.977   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.761 | 75   | 49310m   | 40.726   | ug/l   |          |
| 77) Bromobenzene              | 12.743 | 156  | 104492   | 50.666   | ug/l   | 84       |
| 78) n-propylbenzene           | 12.802 | 91   | 544284   | 51.458   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.890 | 91   | 300880   | 50.074   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.943 | 105  | 378639   | 51.937   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 21577    | 49.700   | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.990 | 91   | 319485   | 50.186   | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 333027   | 51.611   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 383456   | 51.174   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 502502   | 50.690   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.496 | 119  | 425485   | 51.462   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.496 | 146  | 221301   | 49.124   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 216487   | 47.969   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.826 | 91   | 393827   | 49.720   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.090 | 117  | 83691    | 48.313   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 190966   | 47.464   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 12752    | 47.239   | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 15.137 | 180  | 117350   | 45.443   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 65019    | 42.026   | ug/l   | 99       |
| 95) Naphthalene               | 15.379 | 128  | 215415   | 49.543   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.567 | 180  | 103946   | 45.529   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081522\  
Data File : VD074094.D  
Acq On : 15 Aug 2022 16:37  
Operator : VA/SY  
Sample : VSTDICV050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD081522

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 08/16/2022  
Supervised By :Mahesh Dadoda 08/16/2022

Quant Time: Aug 16 01:44:06 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081522S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 16 01:41:25 2022  
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081522\  
 Data File : VD074094.D  
 Acq On : 15 Aug 2022 16:37  
 Operator : VA/SY  
 Sample : VSTDICV050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD081522

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/16/2022  
 Supervised By :Mahesh Dadoda 08/16/2022

Quant Time: Aug 16 01:44:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081522S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 01:41:25 2022  
 Response via : Initial Calibration

