

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010722\  
 Data File : VD071644.D  
 Acq On : 07 Jan 2022 12:29  
 Operator : VA/SY  
 Sample : VSTDICCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/10/2022  
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 07 12:59:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 12:54:10 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.979          | 168  | 313090              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 530653              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638         | 117  | 491569              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.567         | 152  | 234845              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.332          | 65   | 210069              | 52.304  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 104.600% |         |        |          |
| 35) Dibromofluoromethane     | 7.914          | 113  | 176152              | 51.421  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 102.840% |         |        |          |
| 50) Toluene-d8               | 10.338         | 98   | 693365              | 53.306  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 106.620% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.626         | 95   | 233316              | 51.916  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 103.840% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 113659              | 41.799  | ug/l   | 100      |
| 3) Chloromethane             | 2.215          | 50   | 149608              | 41.833  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.356          | 62   | 175029              | 43.614  | ug/l   | 94       |
| 5) Bromomethane              | 2.774          | 94   | 117608              | 39.269  | ug/l   | 92       |
| 6) Chloroethane              | 2.926          | 64   | 123717              | 43.760  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.279          | 101  | 243320              | 43.125  | ug/l   | 93       |
| 8) Diethyl Ether             | 3.715          | 74   | 67542               | 43.918  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.109          | 101  | 146499              | 44.484  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.303          | 142  | 154294              | 47.321  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.209          | 59   | 49539               | 149.091 | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 4.073          | 96   | 127256              | 43.424  | ug/l   | 96       |
| 13) Acrolein                 | 3.926          | 56   | 98295               | 249.311 | ug/l   | 100      |
| 14) Allyl chloride           | 4.726          | 41   | 247784              | 43.550  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.420          | 53   | 179714              | 229.734 | ug/l   | 100      |
| 16) Acetone                  | 4.156          | 43   | 224371              | 239.445 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.415          | 76   | 331446              | 42.372  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.715          | 43   | 126810              | 42.638  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 343642              | 45.681  | ug/l   | 95       |
| 20) Methylene Chloride       | 4.968          | 84   | 159841              | 26.989  | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.479          | 96   | 145909              | 43.503  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.367          | 45   | 571194              | 46.598  | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.309          | 43   | 1371217             | 238.856 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.267          | 63   | 313899              | 44.921  | ug/l   | 98       |
| 25) 2-Butanone               | 7.209          | 43   | 253020              | 230.503 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.209          | 77   | 263269              | 44.899  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.209          | 96   | 177974              | 45.395  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.550          | 49   | 163264              | 50.072  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.562          | 42   | 147581              | 228.134 | ug/l   | 99       |
| 30) Chloroform               | 7.709          | 83   | 321503              | 44.885  | ug/l   | 100      |
| 31) Cyclohexane              | 7.985          | 56   | 260372              | 41.319  | ug/l # | 95       |
| 32) 1,1,1-Trichloroethane    | 7.903          | 97   | 281991              | 44.764  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.114          | 75   | 228320              | 44.654  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.297          | 43   | 109039              | 48.178  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 8.097          | 117  | 234965              | 44.419  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.356          | 83   | 254221              | 45.706  | ug/l   | 95       |
| 40) Benzene                  | 8.350          | 78   | 641713              | 45.445  | ug/l   | 97       |

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 Sample : VSTDICCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/10/2022  
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 07 12:59:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 12:54:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.520  | 41   | 58191    | 41.580   | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 215357   | 46.069   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 205721   | 46.349   | ug/l   | 98       |
| 44) Trichloroethene           | 9.108  | 130  | 162822   | 45.363   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 174831   | 45.765   | ug/l   | 99       |
| 46) Dibromomethane            | 9.473  | 93   | 89941    | 46.412   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.656  | 83   | 248097   | 46.061   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.456  | 41   | 96024    | 42.842   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 18658    | 1008.172 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.226 | 43   | 551645   | 237.385  | ug/l   | 99       |
| 52) Toluene                   | 10.403 | 92   | 410973   | 45.531   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 212904   | 45.304   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 254244   | 46.093   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.797 | 97   | 119703   | 45.749   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 149608   | 46.674   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 212689   | 46.331   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 408450   | 243.601  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.979 | 43   | 390123   | 238.307  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.132 | 129  | 151582   | 45.990   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.244 | 107  | 112750   | 46.873   | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.873 | 164  | 133445   | 43.876   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.667 | 112  | 436865   | 45.543   | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.738 | 131  | 160393   | 45.220   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.738 | 91   | 825332   | 46.052   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.850 | 106  | 616751   | 92.320   | ug/l   | 99       |
| 69) o-Xylene                  | 12.173 | 106  | 285284   | 45.509   | ug/l   | 100      |
| 70) Styrene                   | 12.191 | 104  | 505423   | 46.834   | ug/l   | 99       |
| 71) Bromoform                 | 12.350 | 173  | 82470    | 45.200   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.473 | 105  | 796884   | 45.082   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.279 | 43   | 194811   | 45.617   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 135522   | 45.173   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 94253m   | 41.984   | ug/l   |          |
| 77) Bromobenzene              | 12.755 | 156  | 165753   | 43.937   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.814 | 91   | 996606   | 44.766   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.897 | 91   | 555333   | 44.288   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 667297   | 45.532   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 36768    | 44.477   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.997 | 91   | 586084   | 44.453   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.214 | 119  | 568632   | 45.454   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.261 | 105  | 660115   | 45.219   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.391 | 105  | 894253   | 46.043   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.508 | 119  | 724629   | 45.625   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.508 | 146  | 349249   | 44.298   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 350228   | 44.679   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.832 | 91   | 722042   | 45.601   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 136825   | 44.426   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.879 | 146  | 300272   | 44.641   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 21087    | 41.397   | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 175401   | 45.208   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.255 | 225  | 100068   | 45.839   | ug/l   | 98       |
| 95) Naphthalene               | 15.385 | 128  | 319361   | 45.894   | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.579 | 180  | 148466   | 45.321   | ug/l   | 100      |

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 Sample : VSTDICCC050  
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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_D  
**ClientSampleId :**  
 VSTDICCC050

**Manual Integrations**  
**APPROVED**

Reviewed By :Semsettin Yesilyurt 01/10/2022  
 Supervised By :Mahesh Dadoda 01/11/2022

Quant Time: Jan 07 12:59:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 12:54:10 2022  
 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

