

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031124\  
 Data File : VD078631.D  
 Acq On : 11 Mar 2024 17:12  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Mar 12 01:39:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D030124S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 02 03:50:17 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/12/2024  
 Supervised By :Semsettin Yesilyurt 03/12/2024

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 148894              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 249362              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 239714              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 129112              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 69431               | 47.041  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 94.080%  |         |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 81900               | 50.491  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 100.980% |         |        |          |
| 50) Toluene-d8               | 10.263         | 98   | 315542              | 50.061  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 100.120% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.569         | 95   | 94208               | 52.330  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 104.660% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.940          | 85   | 53291               | 45.455  | ug/l   | 98       |
| 3) Chloromethane             | 2.152          | 50   | 103850              | 49.391  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.281          | 62   | 163758              | 44.744  | ug/l   | 99       |
| 5) Bromomethane              | 2.687          | 94   | 115029              | 39.353  | ug/l   | 99       |
| 6) Chloroethane              | 2.834          | 64   | 124172              | 45.776  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.170          | 101  | 112768              | 45.568  | ug/l   | 95       |
| 8) Diethyl Ether             | 3.587          | 74   | 33338               | 47.975  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964          | 101  | 70215               | 45.018  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.158          | 142  | 72680               | 44.531  | ug/l   | 91       |
| 11) Tert butyl alcohol       | 5.058          | 59   | 16839               | 242.250 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 69033               | 47.410  | ug/l   | 95       |
| 13) Acrolein                 | 3.793          | 56   | 21910               | 149.681 | ug/l   | 99       |
| 14) Allyl chloride           | 4.558          | 41   | 76573               | 46.172  | ug/l   | 93       |
| 15) Acrylonitrile            | 5.258          | 53   | 68497               | 239.089 | ug/l   | 99       |
| 16) Acetone                  | 4.022          | 43   | 62193               | 219.942 | ug/l   | 90       |
| 17) Carbon Disulfide         | 4.269          | 76   | 206940              | 42.658  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.558          | 43   | 29736               | 55.558  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 150526              | 50.844  | ug/l   | 100      |
| 20) Methylene Chloride       | 4.793          | 84   | 92527               | 47.210  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.305          | 96   | 80212               | 45.848  | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.211          | 45   | 182483              | 49.077  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.152          | 43   | 528650              | 239.385 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.105          | 63   | 130666              | 46.515  | ug/l   | 97       |
| 25) 2-Butanone               | 7.081          | 43   | 84682               | 237.410 | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 7.069          | 77   | 109545              | 46.160  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.075          | 96   | 92951               | 48.521  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.422          | 49   | 50832               | 48.437  | ug/l   | 92       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 49713               | 250.866 | ug/l   | 92       |
| 30) Chloroform               | 7.593          | 83   | 144513              | 47.646  | ug/l   | 100      |
| 31) Cyclohexane              | 7.869          | 56   | 101764              | 44.051  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 7.787          | 97   | 126667              | 48.681  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.005          | 75   | 106509              | 47.451  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169          | 43   | 30489               | 41.921  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.987          | 117  | 112628              | 47.973  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.269          | 83   | 128032              | 48.598  | ug/l   | 92       |
| 40) Benzene                  | 8.246          | 78   | 319058              | 47.956  | ug/l   | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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Reviewed By :Mahesh Dadoda 03/12/2024  
 Supervised By :Semsettin Yesilyurt 03/12/2024

Quant Time: Mar 12 01:39:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D030124S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 02 03:50:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 17094    | 43.852  | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 78047    | 46.240  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 65386    | 46.894  | ug/l   | 99       |
| 44) Trichloroethene           | 9.022  | 130  | 87919    | 48.155  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.299  | 63   | 75787    | 47.420  | ug/l   | 96       |
| 46) Dibromomethane            | 9.393  | 93   | 45161    | 49.016  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.581  | 83   | 110561   | 48.667  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.381  | 41   | 31733    | 50.240  | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 9950     | 980.777 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 178693   | 248.290 | ug/l   | 94       |
| 52) Toluene                   | 10.334 | 92   | 208442   | 48.827  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 104738   | 49.836  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 123158   | 48.943  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 62152    | 47.907  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 68840    | 52.941  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 100175   | 47.649  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 158193   | 280.132 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.922 | 43   | 130534   | 244.533 | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.069 | 129  | 76131    | 48.599  | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 59350    | 49.847  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 73992    | 49.057  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.604 | 112  | 226842   | 48.054  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 85360    | 48.572  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.681 | 91   | 405312   | 49.553  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.793 | 106  | 332356   | 100.439 | ug/l   | 95       |
| 69) o-Xylene                  | 12.116 | 106  | 151999   | 50.634  | ug/l   | 94       |
| 70) Styrene                   | 12.134 | 104  | 268188   | 51.542  | ug/l   | 99       |
| 71) Bromoform                 | 12.298 | 173  | 45961    | 49.161  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 390119   | 47.666  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 64622    | 46.911  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 69825    | 44.535  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 43087m   | 43.695  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 93262    | 47.118  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.763 | 91   | 490500   | 48.996  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 258970   | 48.206  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 336933   | 50.592  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 21829    | 47.383  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 274363   | 47.922  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 296820   | 51.761  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 335453   | 49.280  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 447339   | 50.003  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 384079   | 50.999  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 206571   | 48.843  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 201103   | 47.461  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.787 | 91   | 353483   | 50.225  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 74483    | 48.640  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 173483   | 48.290  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 9610     | 45.983  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 107762   | 50.656  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 59516    | 50.847  | ug/l   | 98       |
| 95) Naphthalene               | 15.328 | 128  | 195553   | 52.021  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 94112    | 49.813  | ug/l   | 99       |

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Instrument :  
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Manual Integrations  
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QLast Update : Sat Mar 02 03:50:17 2024  
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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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