

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032124\  
 Data File : VD078733.D  
 Acq On : 21 Mar 2024 19:25  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Mar 22 06:58:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/22/2024  
 Supervised By :Semsettin Yesilyurt 03/22/2024

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 110189               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 186544               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.580         | 117  | 183795               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 99851                | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 111249               | 107.731 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 215.460%# |         |        |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 127329               | 106.014 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 212.020%# |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 500822               | 113.381 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 226.760%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 152778               | 118.226 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 236.460%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 50525                | 49.267  | ug/l   | 99       |
| 3) Chloromethane             | 2.152          | 50   | 82878                | 51.182  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.287          | 62   | 124031               | 51.924  | ug/l   | 99       |
| 5) Bromomethane              | 2.693          | 94   | 108613               | 47.490  | ug/l   | 98       |
| 6) Chloroethane              | 2.840          | 64   | 100153               | 53.763  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 95758                | 50.672  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.599          | 74   | 28401                | 51.475  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 3.963          | 101  | 59712                | 50.348  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.169          | 142  | 77924                | 55.546  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.045          | 59   | 11874                | 256.936 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 57721                | 51.197  | ug/l # | 87       |
| 13) Acrolein                 | 3.799          | 56   | 12532                | 173.110 | ug/l   | 99       |
| 14) Allyl chloride           | 4.563          | 41   | 68600                | 54.531  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.263          | 53   | 62528                | 281.124 | ug/l   | 99       |
| 16) Acetone                  | 4.022          | 43   | 48135                | 241.052 | ug/l   | 90       |
| 17) Carbon Disulfide         | 4.275          | 76   | 182492               | 49.376  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.569          | 43   | 25717                | 60.010  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 126573               | 55.670  | ug/l   | 100      |
| 20) Methylene Chloride       | 4.804          | 84   | 79342                | 59.174  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 69909                | 52.551  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.216          | 45   | 163262               | 57.082  | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.157          | 43   | 473057               | 282.758 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.116          | 63   | 117106               | 54.611  | ug/l   | 99       |
| 25) 2-Butanone               | 7.081          | 43   | 70174                | 264.323 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.081          | 77   | 94440                | 52.055  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.087          | 96   | 82882                | 54.624  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.428          | 49   | 43341                | 56.692  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.445          | 42   | 42065                | 291.311 | ug/l   | 98       |
| 30) Chloroform               | 7.598          | 83   | 131928               | 55.179  | ug/l   | 97       |
| 31) Cyclohexane              | 7.881          | 56   | 85867                | 49.471  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.798          | 97   | 109638               | 54.047  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 94079                | 53.986  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169          | 43   | 29936                | 52.584  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.992          | 117  | 98892                | 53.828  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.281          | 83   | 108113               | 53.480  | ug/l   | 94       |
| 40) Benzene                  | 8.251          | 78   | 292332               | 55.494  | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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 Supervised By :Semsettin Yesilyurt 03/22/2024

Quant Time: Mar 22 06:58:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.404  | 41   | 13645    | 45.736  | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 72585    | 56.501  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 58195    | 56.209  | ug/l # | 84       |
| 44) Trichloroethene           | 9.034  | 130  | 75039    | 52.490  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 70882    | 56.722  | ug/l   | 100      |
| 46) Dibromomethane            | 9.392  | 93   | 41533    | 55.444  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.586  | 83   | 101059   | 56.670  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.381  | 41   | 26045    | 51.628  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.386  | 88   | 6667     | 961.244 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 157110   | 290.263 | ug/l   | 100      |
| 52) Toluene                   | 10.333 | 92   | 189856   | 55.980  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 90589    | 55.560  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 112272   | 57.280  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.733 | 97   | 55861    | 55.687  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 58153    | 57.828  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.880 | 76   | 91918    | 56.788  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 148372   | 334.612 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.922 | 43   | 110836   | 276.229 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.075 | 129  | 69135    | 55.886  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.180 | 107  | 55194    | 56.855  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 64483    | 53.017  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.604 | 112  | 200706   | 52.257  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.680 | 131  | 77298    | 54.954  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.680 | 91   | 363044   | 55.470  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.792 | 106  | 294163   | 110.684 | ug/l   | 99       |
| 69) o-Xylene                  | 12.122 | 106  | 135461   | 55.089  | ug/l   | 96       |
| 70) Styrene                   | 12.133 | 104  | 239487   | 58.026  | ug/l   | 99       |
| 71) Bromoform                 | 12.298 | 173  | 42940    | 56.489  | ug/l # | 91       |
| 73) Isopropylbenzene          | 12.422 | 105  | 352900   | 53.679  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.233 | 43   | 56092    | 52.551  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 62647    | 51.476  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 48488m   | 63.029  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 86432    | 53.013  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.763 | 91   | 430766   | 53.830  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 234265   | 53.363  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 295359   | 54.328  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 19438    | 52.965  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 242325   | 52.188  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.169 | 119  | 256893   | 54.802  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 307245   | 56.080  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.345 | 105  | 388069   | 54.704  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 334381   | 55.061  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 183327   | 53.284  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 177779   | 52.431  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.786 | 91   | 302423   | 55.140  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 64651    | 51.450  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.827 | 146  | 152668   | 51.521  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 8744     | 53.709  | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 90198    | 52.157  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 46649    | 49.826  | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 160491   | 53.378  | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.521 | 180  | 78799    | 52.669  | ug/l   | 98       |

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

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

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