

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD041123\  
 Data File : VD075631.D  
 Acq On : 11 Apr 2023 20:37  
 Operator : KP/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Apr 12 03:00:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 11 18:54:55 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 188350   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 328761   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 317232   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 167427   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 86044    | 55.687   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 111.380% |      |
| 35) Dibromofluoromethane    | 7.805  | 113   | 106130   | 55.083   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.160% |      |
| 50) Toluene-d8              | 10.269 | 98    | 408677   | 54.077   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 108.160% |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 125632   | 53.653   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 107.300% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 59888  | 45.006  | ug/l   | 97  |
| 3) Chloromethane             | 2.146 | 50  | 115671 | 55.464  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.281 | 62  | 155823 | 48.101  | ug/l   | 97  |
| 5) Bromomethane              | 2.687 | 94  | 115571 | 44.801  | ug/l   | 96  |
| 6) Chloroethane              | 2.834 | 64  | 114060 | 50.193  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.169 | 101 | 133181 | 48.194  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.593 | 74  | 44819  | 52.511  | ug/l   | 64  |
| 9) 1,1,2-Trichlorotrifluo... | 3.964 | 101 | 89650  | 49.286  | ug/l   | 94  |
| 10) Methyl Iodide            | 4.158 | 142 | 107735 | 49.535  | ug/l   | 93  |
| 11) Tert butyl alcohol       | 5.058 | 59  | 19212  | 263.003 | ug/l # | 100 |
| 12) 1,1-Dichloroethene       | 3.940 | 96  | 84505  | 48.401  | ug/l # | 81  |
| 13) Acrolein                 | 3.799 | 56  | 25995  | 254.404 | ug/l   | 100 |
| 14) Allyl chloride           | 4.563 | 41  | 78765  | 49.987  | ug/l # | 80  |
| 15) Acrylonitrile            | 5.252 | 53  | 90355  | 276.251 | ug/l   | 98  |
| 16) Acetone                  | 4.016 | 43  | 77040  | 273.638 | ug/l # | 88  |
| 17) Carbon Disulfide         | 4.263 | 76  | 207514 | 45.921  | ug/l   | 96  |
| 18) Methyl Acetate           | 4.558 | 43  | 46548  | 54.782  | ug/l # | 69  |
| 19) Methyl tert-butyl Ether  | 5.311 | 73  | 199129 | 53.964  | ug/l   | 96  |
| 20) Methylene Chloride       | 4.805 | 84  | 127314 | 54.318  | ug/l # | 71  |
| 21) trans-1,2-Dichloroethene | 5.311 | 96  | 102395 | 49.685  | ug/l # | 72  |
| 22) Diisopropyl ether        | 6.216 | 45  | 216078 | 55.902  | ug/l # | 86  |
| 23) Vinyl Acetate            | 6.152 | 43  | 520401 | 286.855 | ug/l # | 84  |
| 24) 1,1-Dichloroethane       | 6.110 | 63  | 167410 | 52.447  | ug/l   | 96  |
| 25) 2-Butanone               | 7.081 | 43  | 101396 | 277.513 | ug/l # | 74  |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 144622 | 49.390  | ug/l   | 92  |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 125123 | 51.565  | ug/l   | 80  |
| 28) Bromochloromethane       | 7.428 | 49  | 59875  | 54.900  | ug/l # | 49  |
| 29) Tetrahydrofuran          | 7.446 | 42  | 56044  | 289.654 | ug/l # | 54  |
| 30) Chloroform               | 7.593 | 83  | 194871 | 53.665  | ug/l   | 96  |
| 31) Cyclohexane              | 7.875 | 56  | 104244 | 46.373  | ug/l # | 69  |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 154436 | 51.105  | ug/l   | 95  |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 126210 | 51.291  | ug/l   | 93  |
| 37) Ethyl Acetate            | 7.163 | 43  | 42807  | 57.862  | ug/l # | 76  |
| 38) Carbon Tetrachloride     | 7.987 | 117 | 121913 | 51.664  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.275 | 83  | 143442 | 48.955  | ug/l   | 90  |
| 40) Benzene                  | 8.252 | 78  | 427353 | 53.898  | ug/l   | 100 |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Apr 12 03:00:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D041023S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 11 18:54:55 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 22918    | 56.567   | ug/l # | 65       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 102149   | 55.447   | ug/l   | 89       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 80505    | 57.004   | ug/l # | 78       |
| 44) Trichloroethene           | 9.028  | 130  | 113924   | 49.053   | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 99386    | 53.732   | ug/l   | 96       |
| 46) Dibromomethane            | 9.393  | 93   | 63285    | 55.106   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.587  | 83   | 148780   | 53.571   | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.381  | 41   | 33209    | 51.888   | ug/l # | 54       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 12145    | 1166.618 | ug/l # | 76       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 221134   | 290.869  | ug/l # | 79       |
| 52) Toluene                   | 10.334 | 92   | 274938   | 51.341   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 136134   | 54.078   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 162174   | 52.984   | ug/l # | 76       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 94728    | 55.934   | ug/l   | 90       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 92808    | 56.855   | ug/l # | 66       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 138624   | 54.362   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 232998   | 295.221  | ug/l # | 88       |
| 59) 2-Hexanone                | 10.922 | 43   | 153552   | 286.696  | ug/l   | 71       |
| 60) Dibromochloromethane      | 11.075 | 129  | 107395   | 53.112   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 84730    | 52.347   | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.810 | 164  | 97091    | 50.885   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.610 | 112  | 314494   | 51.072   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 111232   | 51.080   | ug/l   | 93       |
| 67) Ethyl Benzene             | 11.687 | 91   | 525702   | 51.743   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 439368   | 104.994  | ug/l   | 90       |
| 69) o-Xylene                  | 12.122 | 106  | 202091   | 49.666   | ug/l   | 93       |
| 70) Styrene                   | 12.134 | 104  | 368218   | 52.972   | ug/l   | 93       |
| 71) Bromoform                 | 12.298 | 173  | 62285    | 55.338   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 507999   | 48.895   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 76491    | 52.493   | ug/l # | 71       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 102841   | 52.919   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 69400m   | 52.965   | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 128453   | 48.982   | ug/l   | 89       |
| 78) n-propylbenzene           | 12.763 | 91   | 626672   | 50.166   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 342721   | 49.605   | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 434744   | 51.092   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 30346    | 53.079   | ug/l # | 70       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 362986   | 50.647   | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 362597   | 49.079   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 440704   | 51.288   | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 568316   | 50.337   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 478011   | 50.366   | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 272693   | 49.796   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 264679   | 48.870   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.792 | 91   | 428678   | 49.679   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 87660    | 48.829   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 233086   | 49.378   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 13197    | 54.287   | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 125177   | 49.999   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 56754    | 47.857   | ug/l   | 97       |
| 95) Naphthalene               | 15.334 | 128  | 246801   | 51.917   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 112621   | 50.771   | ug/l   | 97       |

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Tue Apr 11 18:54:55 2023  
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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