Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062424\
Data File : VY018674.D
Acq On : 24 Jun 2024 14:32
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
VY0624SBSD01

Quant Time: Jun 25 01:08:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.777 | 168 | 140607 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.679 | 114 | 230312 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.489 | 117 | 202313 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152 | 97397 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.130 | 65 | 74389 | 52.549 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 105.100% | | | |
| 35) Dibromofluoromethane | 7.704 | 113 | 80499 | 57.297 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 114.600% | | | |
| 50) Toluene-d8 | 10.173 | 98 | 306934 | 56.809 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 58 - 134 | | Recovery = 113.620% | | | |
| 62) 4-Bromofluorobenzene | 12.477 | 95 | 96516 | 56.571 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 30 - 143 | | Recovery = 113.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.894 | 85 | 17790 | 19.210 | ug/l | 96 |
| 3) Chloromethane | 2.101 | 50 | 24524 | 12.858 | ug/l | 96 |
| 4) Vinyl Chloride | 2.241 | 62 | 34753 | 14.713 | ug/l | 94 |
| 5) Bromomethane | 2.625 | 94 | 26250 | 14.952 | ug/l | 98 |
| 6) Chloroethane | 2.778 | 64 | 23819 | 15.394 | ug/l | 100 |
| 7) Trichlorofluoromethane | 3.101 | 101 | 47555 | 18.696 | ug/l | 97 |
| 8) Diethyl Ether | 3.515 | 74 | 12488 | 17.219 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 3.881 | 101 | 27346 | 20.577 | ug/l | 99 |
| 10) Methyl Iodide | 4.070 | 142 | 25881 | 16.577 | ug/l | 96 |
| 11) Tert butyl alcohol | 4.930 | 59 | 11844m | 46.514 | ug/l | |
| 12) 1,1-Dichloroethene | 3.851 | 96 | 22825 | 17.090 | ug/l | 95 |
| 13) Acrolein | 3.710 | 56 | 5515 | 67.368 | ug/l | 96 |
| 14) Allyl chloride | 4.460 | 41 | 29319 | 16.284 | ug/l | 97 |
| 15) Acrylonitrile | 5.143 | 53 | 27818 | 86.222 | ug/l | 95 |
| 16) Acetone | 3.930 | 43 | 25250 | 87.670 | ug/l | 92 |
| 17) Carbon Disulfide | 4.174 | 76 | 42482 | 12.242 | ug/l | 98 |
| 18) Methyl Acetate | 4.466 | 43 | 11320 | 15.496 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.210 | 73 | 65645 | 18.426 | ug/l | 97 |
| 20) Methylene Chloride | 4.698 | 84 | 37509 | 14.830 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 5.198 | 96 | 25378 | 16.692 | ug/l | 96 |
| 22) Diisopropyl ether | 6.100 | 45 | 73490 | 18.080 | ug/l | 92 |
| 23) Vinyl Acetate | 6.045 | 43 | 221336 | 72.320 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 5.997 | 63 | 46192 | 17.639 | ug/l | 99 |
| 25) 2-Butanone | 6.978 | 43 | 37493 | 86.847 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 6.966 | 77 | 39462 | 17.886 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 6.972 | 96 | 33155 | 18.054 | ug/l | 99 |
| 28) Bromochloromethane | 7.319 | 49 | 19674 | 18.330 | ug/l | 97 |
| 29) Tetrahydrofuran | 7.332 | 42 | 23449 | 88.509 | ug/l | 96 |
| 30) Chloroform | 7.490 | 83 | 54216 | 18.997 | ug/l | 99 |
| 31) Cyclohexane | 7.777 | 56 | 34454 | 15.889 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 7.685 | 97 | 45432 | 18.739 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 7.905 | 75 | 34620 | 17.902 | ug/l | 99 |
| 37) Ethyl Acetate | 7.063 | 43 | 15545 | 17.052 | ug/l # | 96 |
| 38) Carbon Tetrachloride | 7.893 | 117 | 38401 | 18.927 | ug/l | 95 |
| 39) Methylcyclohexane | 9.179 | 83 | 39449 | 16.648 | ug/l | 96 |
| 40) Benzene | 8.149 | 78 | 109756 | 18.351 | ug/l | 97 |

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MSVOA_Y
**ClientSampleId :**
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Quant Time: Jun 25 01:08:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.295 | 41 | 7955 | 17.350 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 8.228 | 62 | 29690 | 19.028 | ug/l | | 98 |
| 43) Isopropyl Acetate | 8.264 | 43 | 31060 | 18.254 | ug/l | # | 83 |
| 44) Trichloroethene | 8.929 | 130 | 31922 | 20.387 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.209 | 63 | 25465 | 18.621 | ug/l | | 95 |
| 46) Dibromomethane | 9.301 | 93 | 15925 | 18.767 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.490 | 83 | 39797 | 19.650 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.283 | 41 | 13005 | 16.978 | ug/l | | 93 |
| 49) 1,4-Dioxane | 9.295 | 88 | 4023 | 360.485 | ug/l | # | 98 |
| 51) 4-Methyl-2-Pentanone | 10.063 | 43 | 84006 | 93.730 | ug/l | | 98 |
| 52) Toluene | 10.240 | 92 | 73555 | 19.156 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.459 | 75 | 33692 | 19.036 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 9.923 | 75 | 40764 | 19.086 | ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 10.642 | 97 | 23044 | 20.418 | ug/l | | 94 |
| 56) Ethyl methacrylate | 10.508 | 69 | 27350 | 18.519 | ug/l | | 91 |
| 57) 1,3-Dichloropropane | 10.782 | 76 | 37536 | 20.021 | ug/l | | 95 |
| 58) 2-Chloroethyl Vinyl ether | 9.776 | 63 | 67944 | 95.295 | ug/l | | 97 |
| 59) 2-Hexanone | 10.825 | 43 | 61212 | 97.503 | ug/l | | 96 |
| 60) Dibromochloromethane | 10.983 | 129 | 28233 | 20.137 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.081 | 107 | 21014 | 20.146 | ug/l | | 98 |
| 64) Tetrachloroethene | 10.715 | 164 | 29427 | 20.393 | ug/l | | 97 |
| 65) Chlorobenzene | 11.514 | 112 | 84253 | 20.159 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131 | 29404 | 20.995 | ug/l | | 96 |
| 67) Ethyl Benzene | 11.587 | 91 | 142116 | 19.597 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.697 | 106 | 112733 | 39.951 | ug/l | | 96 |
| 69) o-Xylene | 12.026 | 106 | 52917 | 19.501 | ug/l | | 100 |
| 70) Styrene | 12.038 | 104 | 91395 | 20.388 | ug/l | | 97 |
| 71) Bromoform | 12.203 | 173 | 16242 | 21.135 | ug/l | # | 94 |
| 73) Isopropylbenzene | 12.325 | 105 | 140549 | 19.762 | ug/l | | 100 |
| 74) N-amyl acetate | 12.142 | 43 | 28102 | 19.296 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83 | 26103 | 20.670 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.630 | 75 | 16594m | 18.163 | ug/l | | |
| 77) Bromobenzene | 12.605 | 156 | 33823 | 20.564 | ug/l | | 95 |
| 78) n-propylbenzene | 12.666 | 91 | 166649 | 20.022 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.751 | 91 | 92977 | 19.789 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.812 | 105 | 112124 | 19.892 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75 | 6448 | 18.486 | ug/l | | 88 |
| 82) 4-Chlorotoluene | 12.855 | 91 | 95972 | 20.284 | ug/l | | 97 |
| 83) tert-Butylbenzene | 13.075 | 119 | 106558 | 20.425 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 13.117 | 105 | 111077 | 19.716 | ug/l | | 97 |
| 85) sec-Butylbenzene | 13.251 | 105 | 155789 | 20.938 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.367 | 119 | 125916 | 19.961 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.367 | 146 | 67508 | 20.349 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.446 | 146 | 67621 | 20.771 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.696 | 91 | 117044 | 20.586 | ug/l | | 99 |
| 90) Hexachloroethane | 13.959 | 117 | 23152 | 20.204 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 13.739 | 146 | 59075 | 20.845 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75 | 3639 | 19.900 | ug/l | | 92 |
| 93) 1,2,4-Trichlorobenzene | 15.007 | 180 | 34374 | 21.771 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 15.111 | 225 | 17199 | 21.201 | ug/l | | 96 |
| 95) Naphthalene | 15.239 | 128 | 60473 | 20.496 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.422 | 180 | 28846 | 21.623 | ug/l | | 98 |

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ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
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Quant Time: Jun 25 01:08:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
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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Acq On : 24 Jun 2024 14:32
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

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