Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081322\
Data File : VV027379.D
Acq On : 13 Aug 2022 19:40
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD005370

Quant Time: Aug 13 21:55:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 13 21:49:38 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.613 | 114 | 149156 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.850 | 117 | 159631 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.249 | 152 | 85184 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.304 | 65 | 59470 | 4.589 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 91.800% | | | |
| 7) Chloroethane-d5 | 1.561 | 69 | 43095 | 4.579 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 91.600% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.105 | 63 | 106761 | 4.543 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 90.800% | | | |
| 20) 2-Butanone-d5 | 3.879 | 46 | 130463 | 59.446 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 118.900% | | | |
| 24) Chloroform-d | 4.342 | 84 | 126198 | 5.310 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 106.200% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.031 | 65 | 60825 | 5.372 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 107.400% | | | |
| 32) Benzene-d6 | 5.047 | 84 | 230614 | 4.897 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.066 | 67 | 71349 | 4.900 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 98.000% | | | |
| 41) Toluene-d8 | 7.313 | 98 | 226950 | 5.264 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 105.200% | | | |
| 43) trans-1,3-Dichloroprop... | 7.622 | 79 | 24878 | 4.933 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 98.600% | | | |
| 46) 2-Hexanone-d5 | 8.085 | 63 | 102277 | 52.402 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 104.800% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84 | 54510 | 5.175 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 103.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.622 | 152 | 73631 | 5.008 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 100.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.127 | 85 | 89514 | 5.050 | ug/L | 98 |
| 3) Chloromethane | 1.236 | 50 | 81170 | 4.578 | ug/L | 99 |
| 5) Vinyl chloride | 1.307 | 62 | 78730 | 4.761 | ug/L | 99 |
| 6) Bromomethane | 1.516 | 94 | 25387 | 3.288 | ug/L | 96 |
| 8) Chloroethane | 1.577 | 64 | 44799 | 4.872 | ug/L | 94 |
| 9) Trichlorofluoromethane | 1.748 | 101 | 108158 | 4.899 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111 | 101 | 55328 | 5.336 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.114 | 96 | 51194 | 4.766 | ug/L | 90 |
| 13) Acetone | 2.166 | 43 | 87274 | 53.813 | ug/L | 96 |
| 14) Carbon disulfide | 2.288 | 76 | 182286 | 4.238 | ug/L | 100 |
| 15) Methyl Acetate | 2.429 | 43 | 23416 | 5.930 | ug/L | 96 |
| 16) Methylene chloride | 2.500 | 84 | 74969 | 4.346 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 2.767 | 73 | 124026 | 4.947 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.754 | 96 | 60998 | 4.617 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.185 | 63 | 126909 | 5.017 | ug/L | 97 |
| 21) 2-Butanone | 3.963 | 43 | 137310 | 62.180 | ug/L | 95 |
| 22) cis-1,2-Dichloroethene | 3.908 | 96 | 65614 | 5.051 | ug/L | 99 |
| 23) Bromochloromethane | 4.243 | 128 | 29654 | 4.883 | ug/L | 98 |
| 25) Chloroform | 4.368 | 83 | 131268 | 5.051 | ug/L | 100 |

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Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD005370

Quant Time: Aug 13 21:55:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 13 21:49:38 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.127 | 62 | 75226 | 5.065 | ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 4.603 | 97 | 112942 | 5.027 | ug/L | 99 |
| 30) Cyclohexane | 4.674 | 56 | 83899 | 4.610 | ug/L | 99 |
| 31) Carbon tetrachloride | 4.825 | 117 | 94368 | 4.827 | ug/L | 98 |
| 33) Benzene | 5.095 | 78 | 255858 | 4.689 | ug/L | 100 |
| 34) Trichloroethene | 5.912 | 95 | 62330 | 4.590 | ug/L | 99 |
| 35) Methylcyclohexane | 6.127 | 83 | 86698 | 4.637 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.169 | 63 | 71147 | 5.276 | ug/L | 99 |
| 38) Bromodichloromethane | 6.506 | 83 | 89600 | 5.155 | ug/L | 96 |
| 39) cis-1,3-Dichloropropene | 7.024 | 75 | 80331 | 4.873 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.223 | 43 | 354313 | 50.909 | ug/L | 98 |
| 42) Toluene | 7.384 | 91 | 289574 | 5.320 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 7.651 | 75 | 69711 | 4.834 | ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 7.834 | 97 | 46608 | 4.848 | ug/L | 98 |
| 47) Tetrachloroethene | 7.973 | 164 | 52392 | 4.912 | ug/L | 98 |
| 48) 2-Hexanone | 8.137 | 43 | 265033 | 53.067 | ug/L | 99 |
| 49) Dibromochloromethane | 8.243 | 129 | 54406 | 4.834 | ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.349 | 107 | 41676 | 4.875 | ug/L | 97 |
| 51) Chlorobenzene | 8.879 | 112 | 177509 | 5.006 | ug/L | 98 |
| 52) Ethylbenzene | 9.011 | 91 | 270449 | 4.945 | ug/L | 99 |
| 53) m,p-Xylene | 9.137 | 106 | 106876 | 5.124 | ug/L | 99 |
| 54) o-Xylene | 9.542 | 106 | 103280 | 5.062 | ug/L | 98 |
| 55) Styrene | 9.558 | 104 | 185347 | 5.283 | ug/L | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83 | 55864 | 5.213 | ug/L | 95 |
| 59) Bromoform | 9.731 | 173 | 25469 | 4.434 | ug/L | 98 |
| 60) Isopropylbenzene | 9.931 | 105 | 270633 | 5.044 | ug/L | 100 |
| 61) 1,2,3-Trichloropropane | 10.272 | 75 | 39818 | 4.853 | ug/L | 99 |
| 62) 1,3,5-Trimethylbenzene | 10.538 | 105 | 69364 | 4.678 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 10.915 | 105 | 203913 | 4.797 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 11.178 | 146 | 138759 | 5.176 | ug/L | 98 |
| 65) 1,4-Dichlorobenzene | 11.271 | 146 | 135338 | 5.017 | ug/L | 98 |
| 67) 1,2-Dichlorobenzene | 11.641 | 146 | 125615 | 5.031 | ug/L | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75 | 8090 | 4.720 | ug/L | 91 |
| 69) 1,3,5-Trichlorobenzene | 12.644 | 180 | 94364 | 4.881 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.259 | 180 | 67953 | 4.704 | ug/L | 97 |
| 71) Naphthalene | 13.500 | 128 | 93111 | 4.171 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 13.741 | 180 | 62131 | 4.614 | ug/L | 97 |

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

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**ClientSampleId :**
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