Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111921\
Data File : VU045883.D
Acq On : 19 Nov 2021 09:52
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005130

Quant Time: Nov 22 03:47:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 19 00:50:55 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.253 | 114 | 100108 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.420 | 117 | 101897 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.815 | 152 | 54370 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.600 | 65 | 33865 | 4.270 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 85.400% | | | |
| 7) Chloroethane-d5 | 1.919 | 69 | 26644 | 4.615 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 92.200% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.575 | 65 | 13869 | 4.169 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 83.400% | | | |
| 20) 2-Butanone-d5 | 4.649 | 46 | 114074 | 53.669 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 107.340% | | | |
| 24) Chloroform-d | 5.070 | 84 | 55522 | 4.202 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.000% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.706 | 65 | 34849 | 4.495 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 89.800% | | | |
| 32) Benzene-d6 | 5.732 | 84 | 117831 | 4.199 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 84.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.697 | 67 | 38500 | 4.353 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 87.000% | | | |
| 41) Toluene-d8 | 7.902 | 98 | 106050 | 4.178 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 83.600% | | | |
| 43) trans-1,3-Dichloroprop... | 8.182 | 79 | 15799 | 4.401 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 88.000% | | | |
| 46) 2-Hexanone-d5 | 8.639 | 63 | 82124 | 50.822 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 101.640% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84 | 35993 | 4.817 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 96.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.198 | 152 | 40456 | 4.334 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 86.600% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 37313 | 4.578 | ug/L | 99 |
| 3) Chloromethane | 1.520 | 50 | 35387 | 4.097 | ug/L | 99 |
| 5) Vinyl chloride | 1.607 | 62 | 39578 | 4.565 | ug/L | 100 |
| 6) Bromomethane | 1.861 | 94 | 25211 | 4.903 | ug/L | 99 |
| 8) Chloroethane | 1.938 | 64 | 24297 | 4.915 | ug/L | 100 |
| 9) Trichlorofluoromethane | 2.144 | 101 | 54852 | 4.901 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588 | 101 | 32125 | 4.895 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.584 | 96 | 29942 | 4.832 | ug/L | 94 |
| 13) Acetone | 2.668 | 43 | 69130 | 55.258 | ug/L | 95 |
| 14) Carbon disulfide | 2.800 | 76 | 86024 | 4.389 | ug/L | 100 |
| 15) Methyl Acetate | 2.964 | 43 | 16379 | 5.336 | ug/L | 93 |
| 16) Methylene chloride | 3.051 | 84 | 35438 | 3.873 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 3.369 | 73 | 82415 | 5.109 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 3.362 | 96 | 31715 | 4.774 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.877 | 63 | 62102 | 4.990 | ug/L | 99 |
| 21) 2-Butanone | 4.729 | 43 | 119458 | 56.751 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.671 | 96 | 35317 | 4.904 | ug/L | 99 |
| 23) Bromochloromethane | 4.980 | 128 | 16805 | 5.353 | ug/L | 96 |
| 25) Chloroform | 5.095 | 83 | 69520 | 5.149 | ug/L | 98 |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111921\
Data File : VU045883.D
Acq On : 19 Nov 2021 09:52
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005130

Quant Time: Nov 22 03:47:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 19 00:50:55 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.800 | 62 | 42686 | 4.955 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.324 | 97 | 55021 | 4.970 | ug/L | 99 |
| 30) Cyclohexane | 5.395 | 56 | 50282 | 4.579 | ug/L | 98 |
| 31) Carbon tetrachloride | 5.530 | 117 | 45501 | 4.887 | ug/L | 100 |
| 33) Benzene | 5.780 | 78 | 135980 | 4.782 | ug/L | 100 |
| 34) Trichloroethene | 6.546 | 95 | 36062 | 4.921 | ug/L | 97 |
| 35) Methylcyclohexane | 6.767 | 83 | 52102 | 4.630 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.793 | 63 | 37317 | 4.987 | ug/L | 99 |
| 38) Bromodichloromethane | 7.108 | 83 | 45951 | 4.977 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 7.610 | 75 | 52975 | 4.982 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.796 | 43 | 269754 | 54.960 | ug/L | 99 |
| 42) Toluene | 7.973 | 91 | 148531 | 5.060 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 8.214 | 75 | 47103 | 5.092 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 8.404 | 97 | 29172 | 5.251 | ug/L | 99 |
| 47) Tetrachloroethene | 8.555 | 164 | 25650 | 5.000 | ug/L | 98 |
| 48) 2-Hexanone | 8.687 | 43 | 202506 | 57.111 | ug/L | 99 |
| 49) Dibromochloromethane | 8.812 | 129 | 33361 | 5.273 | ug/L | 95 |
| 50) 1,2-Dibromoethane | 8.928 | 107 | 27573 | 5.268 | ug/L | 95 |
| 51) Chlorobenzene | 9.449 | 112 | 93456 | 5.076 | ug/L | 98 |
| 52) Ethylbenzene | 9.574 | 91 | 157267 | 5.119 | ug/L | 100 |
| 53) m,p-Xylene | 9.697 | 106 | 62277 | 5.292 | ug/L | 98 |
| 54) o-Xylene | 10.105 | 106 | 59328 | 5.224 | ug/L | 98 |
| 55) Styrene | 10.118 | 104 | 104592 | 5.471 | ug/L | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83 | 38113 | 5.357 | ug/L | 95 |
| 59) Bromoform | 10.295 | 173 | 18847 | 5.234 | ug/L | 99 |
| 60) Isopropylbenzene | 10.488 | 105 | 158393 | 4.962 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 10.825 | 75 | 28487 | 5.047 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 11.092 | 105 | 130626 | 5.005 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.471 | 105 | 132095 | 5.052 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 11.748 | 146 | 76198 | 5.117 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.838 | 146 | 76562 | 5.061 | ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 12.214 | 146 | 72800 | 5.099 | ug/L | 100 |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75 | 5368 | 4.571 | ug/L | 92 |
| 69) 1,3,5-Trichlorobenzene | 13.221 | 180 | 55653 | 4.996 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.841 | 180 | 47616 | 5.052 | ug/L | 99 |
| 71) Naphthalene | 14.089 | 128 | 97878 | 5.054 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 14.333 | 180 | 47623 | 5.078 | ug/L | 99 |

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

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Data File : VU045883.D
Acq On : 19 Nov 2021 09:52
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD005130

Quant Time: Nov 22 03:47:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 19 00:50:55 2021
Response via : Initial Calibration