Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110121\
Data File : VU045487.D
Acq On : 01 Nov 2021 14:00
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050112

Quant Time: Nov 02 02:34:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 02 02:33:37 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.253 | 114 | 319252 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.420 | 117 | 301240 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.815 | 152 | 156874 | 50.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.600 | 65 | 105418 | 40.570 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 81.140% | | | |
| 7) Chloroethane-d5 | 1.916 | 69 | 93178 | 44.747 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 89.500% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.575 | 63 | 207355 | 44.933 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 89.860% | | | |
| 21) 2-Butanone-d5 | 4.632 | 46 | 212284 | 97.623 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 97.620% | | | |
| 24) Chloroform-d | 5.070 | 84 | 218598 | 46.892 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 93.780% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.706 | 65 | 141727 | 45.976 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 91.960% | | | |
| 32) Benzene-d6 | 5.732 | 84 | 428752 | 46.056 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 92.120% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.693 | 67 | 139959 | 46.444 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 92.880% | | | |
| 41) Toluene-d8 | 7.902 | 98 | 383713 | 47.248 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 94.500% | | | |
| 43) trans-1,3-Dichloroprop... | 8.182 | 79 | 67272 | 47.514 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 95.020% | | | |
| 47) 2-Hexanone-d5 | 8.635 | 63 | 154378 | 95.974 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 95.970% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84 | 213173 | 47.139 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 94.280% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.195 | 152 | 144737 | 45.604 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 91.200% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 135551 | 48.050 | ug/L | 100 |
| 3) Chloromethane | 1.520 | 50 | 155462 | 45.642 | ug/L | 100 |
| 5) Vinyl chloride | 1.607 | 62 | 154413 | 48.220 | ug/L | 100 |
| 6) Bromomethane | 1.861 | 94 | 80370 | 48.765 | ug/L | 99 |
| 8) Chloroethane | 1.935 | 64 | 97529 | 51.554 | ug/L | 98 |
| 9) Trichlorofluoromethane | 2.141 | 101 | 184385 | 48.658 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584 | 101 | 113673 | 49.226 | ug/L | 100 |
| 12) 1,1-Dichloroethene | 2.584 | 96 | 107705 | 49.428 | ug/L | 95 |
| 13) Acetone | 2.642 | 43 | 198062 | 111.056 | ug/L | 98 |
| 14) Carbon disulfide | 2.800 | 76 | 310474 | 49.836 | ug/L | 100 |
| 15) Methyl Acetate | 2.954 | 43 | 147535 | 48.963 | ug/L | 100 |
| 16) Methylene chloride | 3.051 | 84 | 130799 | 48.637 | ug/L | 99 |
| 17) trans-1,2-Dichloroethene | 3.359 | 96 | 116870 | 50.127 | ug/L | 98 |
| 18) Methyl tert-butyl Ether | 3.366 | 73 | 407494 | 49.848 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 3.877 | 63 | 229869 | 49.467 | ug/L | 100 |
| 20) cis-1,2-Dichloroethene | 4.671 | 96 | 131572 | 49.474 | ug/L | 97 |
| 22) 2-Butanone | 4.713 | 43 | 250687 | 102.928 | ug/L | 100 |
| 23) Bromochloromethane | 4.980 | 128 | 63453 | 49.560 | ug/L | 98 |
| 25) Chloroform | 5.092 | 83 | 228944 | 49.234 | ug/L | 100 |

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD050112

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 02 02:33:37 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.800 | 62 | 185924 | 48.876 | ug/L | 99 |
| 29) Cyclohexane | 5.394 | 56 | 214918 | 49.769 | ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 5.321 | 97 | 189573 | 49.557 | ug/L | 99 |
| 31) Carbon tetrachloride | 5.529 | 117 | 149019 | 49.270 | ug/L | 99 |
| 33) Benzene | 5.780 | 78 | 518713 | 49.643 | ug/L | 100 |
| 34) Trichloroethene | 6.546 | 95 | 125130 | 49.887 | ug/L | 99 |
| 35) Methylcyclohexane | 6.767 | 83 | 217524 | 49.910 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.796 | 63 | 136320 | 49.142 | ug/L | 100 |
| 38) Bromodichloromethane | 7.108 | 83 | 172704 | 49.516 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.610 | 75 | 215425 | 50.765 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.793 | 43 | 405974 | 99.167 | ug/L | 100 |
| 42) Toluene | 7.973 | 91 | 547025 | 50.310 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 8.214 | 75 | 206989 | 51.729 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 8.404 | 97 | 126471 | 49.095 | ug/L | 98 |
| 46) Tetrachloroethene | 8.558 | 164 | 89991 | 50.579 | ug/L | 97 |
| 48) 2-Hexanone | 8.687 | 43 | 337815 | 99.069 | ug/L | 100 |
| 49) Dibromochloromethane | 8.812 | 129 | 124148 | 50.013 | ug/L | 100 |
| 50) 1,2-Dibromoethane | 8.928 | 107 | 135499 | 50.121 | ug/L | 98 |
| 51) Chlorobenzene | 9.449 | 112 | 329717 | 50.185 | ug/L | 99 |
| 52) Ethylbenzene | 9.574 | 91 | 588774 | 51.051 | ug/L | 99 |
| 53) m,p-Xylene | 9.697 | 106 | 227337 | 51.512 | ug/L | 97 |
| 54) o-xylene | 10.105 | 106 | 222758 | 50.961 | ug/L | 96 |
| 55) Styrene | 10.118 | 104 | 385399 | 52.480 | ug/L | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83 | 224466 | 49.049 | ug/L | 98 |
| 59) Bromoform | 10.295 | 173 | 88243 | 48.779 | ug/L | 98 |
| 60) 1,2,3-Trichloropropane | 10.825 | 75 | 181351 | 46.943 | ug/L | 99 |
| 61) Isopropylbenzene | 10.488 | 105 | 576619 | 49.723 | ug/L | 100 |
| 62) 1,3,5-Trimethylbenzene | 11.092 | 105 | 497572 | 50.381 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 11.471 | 105 | 504089 | 50.221 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 11.748 | 146 | 255034 | 49.731 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.838 | 146 | 255875 | 49.320 | ug/L | 100 |
| 67) 1,2-Dichlorobenzene | 12.214 | 146 | 254846 | 48.016 | ug/L | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75 | 54060 | 47.930 | ug/L | 99 |
| 69) 1,3,5-Trichlorobenzene | 13.220 | 180 | 189514 | 50.101 | ug/L | 100 |
| 70) 1,2,4-trichlorobenzene | 13.844 | 180 | 178165 | 51.554 | ug/L | 100 |
| 71) Naphthalene | 14.089 | 128 | 680100 | 51.644 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 14.333 | 180 | 182144 | 51.502 | ug/L | 99 |

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

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