Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040522\
Data File : VW022408.D
Acq On : 05 Apr 2022 20:40
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025594

Quant Time: Apr 06 02:16:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040122SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Apr 06 02:13:06 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.841 | 114 | 178744 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.628 | 117 | 195325 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 113942 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.355 | 65 | 72275 | 24.672 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 98.680% | | | |
| 7) Chloroethane-d5 | 2.885 | 69 | 56219 | 32.146 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 128.600% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.031 | 63 | 79591 | 18.312 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 73.240% | | | |
| 21) 2-Butanone-d5 | 7.080 | 46 | 28319 | 39.562 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 79.120% | | | |
| 24) Chloroform-d | 7.653 | 84 | 102704 | 20.607 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 82.440% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 62744 | 21.291 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 85.160% | | | |
| 32) Benzene-d6 | 8.274 | 84 | 208245 | 19.415 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 77.640% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 61367 | 19.057 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 76.240% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 221942 | 21.749 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 87.000% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 31473 | 19.436 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 77.760% | | | |
| 47) 2-Hexanone-d5 | 10.920 | 63 | 27014 | 40.953 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 81.900% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84 | 68831 | 25.337 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 101.360% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 83866 | 22.800 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 91.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.007 | 85 | 12690 | 13.490 | ug/L | 98 |
| 3) Chloromethane | 2.221 | 50 | 43941 | 20.220 | ug/L | 97 |
| 5) Vinyl chloride | 2.361 | 62 | 105571 | 29.736 | ug/L | 97 |
| 6) Bromomethane | 2.775 | 94 | 68094 | 37.244 | ug/L | 95 |
| 8) Chloroethane | 2.922 | 64 | 53978 | 36.558 | ug/L | 99 |
| 9) Trichlorofluoromethane | 3.257 | 101 | 25773 | 24.516 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062 | 101 | 52070 | 21.672 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 4.050 | 96 | 49693 | 22.067 | ug/L | 90 |
| 13) Acetone | 4.117 | 43 | 18756 | 38.265 | ug/L | 94 |
| 14) Carbon disulfide | 4.385 | 76 | 151696 | 21.353 | ug/L | 97 |
| 15) Methyl Acetate | 4.678 | 43 | 26120 | 20.428 | ug/L | 92 |
| 16) Methylene chloride | 4.915 | 84 | 59479 | 22.222 | ug/L | 84 |
| 17) trans-1,2-Dichloroethene | 5.421 | 96 | 60615 | 22.726 | ug/L | 93 |
| 18) Methyl tert-butyl Ether | 5.427 | 73 | 103756 | 22.319 | ug/L | 95 |
| 19) 1,1-Dichloroethane | 6.214 | 63 | 105579 | 21.556 | ug/L | 97 |
| 20) cis-1,2-Dichloroethene | 7.171 | 96 | 66088 | 23.266 | ug/L | 90 |
| 22) 2-Butanone | 7.171 | 43 | 34583 | 44.729 | ug/L | 91 |
| 23) Bromochloromethane | 7.512 | 128 | 31002 | 24.881 | ug/L # | 77 |
| 25) Chloroform | 7.677 | 83 | 113911 | 22.784 | ug/L | 99 |

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Sample : VSTDCCC025EC
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025594

Quant Time: Apr 06 02:16:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040122SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Apr 06 02:13:06 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.396 | 62 | 88404 | 23.550 | ug/L | | 95 |
| 29) Cyclohexane | 7.957 | 56 | 100629 | 18.924 | ug/L | | 93 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 95144 | 19.758 | ug/L | | 95 |
| 31) Carbon tetrachloride | 8.067 | 117 | 87174 | 20.098 | ug/L | | 98 |
| 33) Benzene | 8.323 | 78 | 270688 | 21.589 | ug/L | | 100 |
| 34) Trichloroethene | 9.091 | 95 | 71164 | 21.851 | ug/L | | 96 |
| 35) Methylcyclohexane | 9.335 | 83 | 122149 | 21.305 | ug/L | | 93 |
| 37) 1,2-Dichloropropane | 9.366 | 63 | 67815 | 21.826 | ug/L | | 100 |
| 38) Bromodichloromethane | 9.646 | 83 | 93945 | 21.679 | ug/L | | 92 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 106714 | 21.005 | ug/L | | 94 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 95883 | 43.884 | ug/L | # | 92 |
| 42) Toluene | 10.384 | 91 | 343674 | 24.644 | ug/L | | 97 |
| 44) trans-1,3-Dichloropropene | 10.603 | 75 | 105171 | 22.352 | ug/L | | 98 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 56194 | 24.182 | ug/L | | 92 |
| 46) Tetrachloroethene | 10.859 | 164 | 62243 | 26.652 | ug/L | | 90 |
| 48) 2-Hexanone | 10.963 | 43 | 70780 | 45.888 | ug/L | | 96 |
| 49) Dibromochloromethane | 11.128 | 129 | 69178 | 24.047 | ug/L | | 92 |
| 50) 1,2-Dibromoethane | 11.237 | 107 | 57735 | 24.464 | ug/L | | 94 |
| 51) Chlorobenzene | 11.658 | 112 | 218599 | 25.353 | ug/L | | 95 |
| 52) Ethylbenzene | 11.725 | 91 | 389812 | 25.202 | ug/L | | 96 |
| 53) m,p-Xylene | 11.841 | 106 | 153561 | 26.011 | ug/L | | 99 |
| 54) o-Xylene | 12.164 | 106 | 149608 | 26.160 | ug/L | | 91 |
| 55) Styrene | 12.182 | 104 | 261689 | 26.345 | ug/L | | 93 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 79156 | 26.600 | ug/L | | 96 |
| 59) Bromoform | 12.347 | 173 | 40328 | 23.754 | ug/L | # | 98 |
| 60) Isopropylbenzene | 12.463 | 105 | 403303 | 23.565 | ug/L | | 97 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 56506 | 22.819 | ug/L | | 95 |
| 62) 1,3,5-Trimethylbenzene | 12.938 | 105 | 230079 | 24.111 | ug/L | | 93 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 342097 | 23.886 | ug/L | | 95 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 174492 | 25.724 | ug/L | | 95 |
| 65) 1,4-Dichlorobenzene | 13.572 | 146 | 176928 | 24.856 | ug/L | | 96 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 156682 | 25.107 | ug/L | | 94 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 12661 | 19.840 | ug/L | | 89 |
| 69) 1,3,5-Trichlorobenzene | 14.621 | 180 | 120976 | 26.332 | ug/L | | 96 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 98822 | 26.235 | ug/L | | 95 |
| 71) Naphthalene | 15.359 | 128 | 211980 | 24.276 | ug/L | | 100 |
| 72) 1,2,3-Trichlorobenzene | 15.548 | 180 | 88262 | 26.752 | ug/L | | 93 |

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

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