Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060421\
Data File : VW019138.D
Acq On : 04 Jun 2021 19:05
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTD025125

Quant Time: Jun 05 00:40:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jun 05 00:35:45 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.847 | 114 | 650318 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.634 | 117 | 599798 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.560 | 152 | 317802 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.361 | 65 | 191531 | 22.273 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 89.080% | | | |
| 7) Chloroethane-d5 | 2.897 | 69 | 164524 | 22.463 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 89.840% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.031 | 63 | 407414 | 23.846 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 95.400% | | | |
| 21) 2-Butanone-d5 | 7.086 | 46 | 130934 | 58.127 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 116.260% | | | |
| 24) Chloroform-d | 7.652 | 84 | 449160 | 25.690 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 102.760% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.311 | 65 | 248142 | 25.302 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 101.200% | | | |
| 32) Benzene-d6 | 8.280 | 84 | 854038 | 24.992 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 99.960% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 261794 | 25.270 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 101.080% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 796900 | 25.392 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 101.560% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 119516 | 26.637 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 106.560% | | | |
| 47) 2-Hexanone-d5 | 10.926 | 63 | 112995 | 64.320 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 128.640% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84 | 245311 | 28.705 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 114.840% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 285073 | 25.700 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 102.800% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.013 | 85 | 225325 | 26.745 | ug/L | 98 |
| 3) Chloromethane | 2.221 | 50 | 175305 | 22.505 | ug/L | 97 |
| 5) Vinyl chloride | 2.367 | 62 | 286106 | 24.061 | ug/L | 98 |
| 6) Bromomethane | 2.788 | 94 | 203062 | 22.967 | ug/L | 98 |
| 8) Chloroethane | 2.928 | 64 | 167355 | 23.675 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.269 | 101 | 157671 | 24.160 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074 | 101 | 245600 | 26.311 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 4.050 | 96 | 240827 | 26.116 | ug/L | 98 |
| 13) Acetone | 4.135 | 43 | 93932 | 47.060 | ug/L | 94 |
| 14) Carbon disulfide | 4.397 | 76 | 711345 | 24.405 | ug/L | 99 |
| 15) Methyl Acetate | 4.677 | 43 | 113147 | 28.183 | ug/L | 95 |
| 16) Methylene chloride | 4.921 | 84 | 279528 | 23.165 | ug/L | 94 |
| 17) trans-1,2-Dichloroethene | 5.427 | 96 | 259132 | 26.083 | ug/L | 95 |
| 18) Methyl tert-butyl Ether | 5.427 | 73 | 365253 | 28.439 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.220 | 63 | 455783 | 25.846 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 7.171 | 96 | 279328 | 27.003 | ug/L | 100 |
| 22) 2-Butanone | 7.183 | 43 | 151343 | 56.708 | ug/L | 96 |
| 23) Bromochloromethane | 7.524 | 128 | 123358 | 27.108 | ug/L | 89 |
| 25) Chloroform | 7.677 | 83 | 473980 | 26.353 | ug/L | 100 |

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Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTD025125

Quant Time: Jun 05 00:40:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jun 05 00:35:45 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.402 | 62 | 327580 | 26.897 | ug/L | | 99 |
| 29) Cyclohexane | 7.957 | 56 | 402688 | 25.801 | ug/L | | 99 |
| 30) 1,1,1-Trichloroethane | 7.878 | 97 | 369572 | 26.778 | ug/L | | 99 |
| 31) Carbon tetrachloride | 8.073 | 117 | 334354 | 26.238 | ug/L | | 99 |
| 33) Benzene | 8.329 | 78 | 1030293 | 26.115 | ug/L | | 100 |
| 34) Trichloroethene | 9.091 | 95 | 272503 | 26.497 | ug/L | | 92 |
| 35) Methylcyclohexane | 9.335 | 83 | 468112 | 26.451 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 9.372 | 63 | 254663 | 26.278 | ug/L | | 99 |
| 38) Bromodichloromethane | 9.646 | 83 | 341515 | 27.168 | ug/L | | 95 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 411352 | 27.394 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 10.213 | 43 | 345225 | 59.815 | ug/L | | 94 |
| 42) Toluene | 10.390 | 91 | 1133313 | 26.701 | ug/L | | 95 |
| 44) trans-1,3-Dichloropropene | 10.609 | 75 | 369004 | 27.840 | ug/L | | 97 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 204460 | 28.021 | ug/L | | 95 |
| 46) Tetrachloroethene | 10.865 | 164 | 207089 | 26.343 | ug/L | | 91 |
| 48) 2-Hexanone | 10.969 | 43 | 243700 | 62.812 | ug/L | | 96 |
| 49) Dibromochloromethane | 11.127 | 129 | 235978 | 29.179 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 11.237 | 107 | 201306 | 28.476 | ug/L | | 99 |
| 51) Chlorobenzene | 11.658 | 112 | 691767 | 26.404 | ug/L | | 98 |
| 52) Ethylbenzene | 11.731 | 91 | 1260064 | 26.987 | ug/L | | 98 |
| 53) m,p-Xylene | 11.841 | 106 | 469059 | 27.241 | ug/L | | 98 |
| 54) o-Xylene | 12.164 | 106 | 454446 | 27.706 | ug/L | | 98 |
| 55) Styrene | 12.182 | 104 | 794605 | 28.170 | ug/L | | 99 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 261216 | 29.049 | ug/L | | 100 |
| 59) Bromoform | 12.347 | 173 | 138891 | 28.368 | ug/L | | 99 |
| 60) Isopropylbenzene | 12.463 | 105 | 1236961 | 25.998 | ug/L | | 100 |
| 61) 1,2,3-Trichloropropane | 12.767 | 75 | 196777 | 27.676 | ug/L | | 98 |
| 62) 1,3,5-Trimethylbenzene | 12.944 | 105 | 1030840 | 26.379 | ug/L | | 100 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 1054969 | 27.044 | ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 530639 | 25.554 | ug/L | | 91 |
| 65) 1,4-Dichlorobenzene | 13.578 | 146 | 548501 | 25.832 | ug/L | | 98 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 499986 | 26.753 | ug/L | | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 45843 | 29.455 | ug/L | # | 86 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 416451 | 27.757 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 351148 | 28.518 | ug/L | | 100 |
| 71) Naphthalene | 15.365 | 128 | 757138 | 30.840 | ug/L | | 100 |
| 72) 1,2,3-Trichlorobenzene | 15.554 | 180 | 302901 | 27.764 | ug/L | | 98 |

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

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