Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062421\
Data File : VW019301.D
Acq On : 24 Jun 2021 09:34
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTD025123

Quant Time: Jun 25 01:12:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jun 24 01:10:00 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 537951 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.634 | 117 | 478949 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.560 | 152 | 240297 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.361 | 65 | 127988 | 17.992 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 71.960% | | | |
| 7) Chloroethane-d5 | 2.898 | 69 | 124770 | 20.594 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 82.360% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.032 | 63 | 313330 | 22.170 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 88.680% | | | |
| 21) 2-Butanone-d5 | 7.086 | 46 | 74291 | 39.870 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 79.740% | | | |
| 24) Chloroform-d | 7.653 | 84 | 337329 | 23.324 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 93.280% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 171219 | 21.105 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 84.440% | | | |
| 32) Benzene-d6 | 8.275 | 84 | 616002 | 22.574 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 90.280% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 193142 | 23.347 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 93.400% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 556553 | 22.208 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 88.840% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 74555 | 20.809 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 83.240% | | | |
| 47) 2-Hexanone-d5 | 10.927 | 63 | 59153 | 42.167 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 84.340% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84 | 150401 | 22.040 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 88.160% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 188563 | 22.482 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 89.920% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.014 | 85 | 170535 | 24.469 | ug/L | 99 |
| 3) Chloromethane | 2.221 | 50 | 163764 | 25.415 | ug/L | 97 |
| 5) Vinyl chloride | 2.367 | 62 | 264058 | 26.846 | ug/L | 96 |
| 6) Bromomethane | 2.788 | 94 | 173147 | 23.674 | ug/L | 96 |
| 8) Chloroethane | 2.934 | 64 | 158827 | 27.161 | ug/L | 97 |
| 9) Trichlorofluoromethane | 3.269 | 101 | 152823 | 28.309 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074 | 101 | 212985 | 27.583 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 4.050 | 96 | 202655 | 26.567 | ug/L | 89 |
| 13) Acetone | 4.141 | 43 | 82639 | 50.050 | ug/L | 88 |
| 14) Carbon disulfide | 4.391 | 76 | 614498 | 25.486 | ug/L | 100 |
| 15) Methyl Acetate | 4.678 | 43 | 67918 | 20.451 | ug/L | 98 |
| 16) Methylene chloride | 4.928 | 84 | 218365 | 21.876 | ug/L | 96 |
| 17) trans-1,2-Dichloroethene | 5.428 | 96 | 217800 | 26.501 | ug/L | 92 |
| 18) Methyl tert-butyl Ether | 5.434 | 73 | 253544 | 23.865 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.220 | 63 | 393181 | 26.953 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.171 | 96 | 222840 | 26.042 | ug/L | 99 |
| 22) 2-Butanone | 7.177 | 43 | 100105 | 45.344 | ug/L | 98 |
| 23) Bromochloromethane | 7.513 | 128 | 88756 | 23.578 | ug/L | 94 |
| 25) Chloroform | 7.677 | 83 | 398752 | 26.802 | ug/L | 100 |

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Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTD025123

Quant Time: Jun 25 01:12:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jun 24 01:10:00 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.403 | 62 | 246063 | 24.424 | ug/L | 98 |
| 29) Cyclohexane | 7.958 | 56 | 346721 | 27.820 | ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 7.878 | 97 | 321355 | 29.159 | ug/L | 100 |
| 31) Carbon tetrachloride | 8.067 | 117 | 299863 | 29.469 | ug/L | 99 |
| 33) Benzene | 8.323 | 78 | 866305 | 27.499 | ug/L | 100 |
| 34) Trichloroethene | 9.092 | 95 | 224413 | 27.327 | ug/L | 91 |
| 35) Methylcyclohexane | 9.335 | 83 | 396072 | 28.027 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 9.372 | 63 | 210857 | 27.247 | ug/L | 98 |
| 38) Bromodichloromethane | 9.646 | 83 | 273266 | 27.224 | ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 319786 | 26.670 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 10.213 | 43 | 198804 | 43.137 | ug/L | 96 |
| 42) Toluene | 10.390 | 91 | 943868 | 27.848 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 10.604 | 75 | 276000 | 26.077 | ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 144930 | 24.874 | ug/L | 98 |
| 46) Tetrachloroethene | 10.866 | 164 | 169632 | 27.023 | ug/L | 99 |
| 48) 2-Hexanone | 10.969 | 43 | 147280 | 47.538 | ug/L | 97 |
| 49) Dibromochloromethane | 11.128 | 129 | 161825 | 25.059 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 11.238 | 107 | 131665 | 23.325 | ug/L | 95 |
| 51) Chlorobenzene | 11.658 | 112 | 572697 | 27.374 | ug/L | 98 |
| 52) Ethylbenzene | 11.731 | 91 | 1053854 | 28.265 | ug/L | 96 |
| 53) m,p-Xylene | 11.841 | 106 | 389905 | 28.357 | ug/L | 99 |
| 54) o-Xylene | 12.164 | 106 | 363967 | 27.789 | ug/L | 100 |
| 55) Styrene | 12.182 | 104 | 630075 | 27.973 | ug/L | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 167354 | 23.307 | ug/L | 99 |
| 59) Bromoform | 12.347 | 173 | 87246 | 23.567 | ug/L | 98 |
| 60) Isopropylbenzene | 12.463 | 105 | 1025094 | 28.494 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 120100 | 22.340 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 12.945 | 105 | 846317 | 28.642 | ug/L | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 837374 | 28.390 | ug/L | 100 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 420452 | 26.779 | ug/L | 90 |
| 65) 1,4-Dichlorobenzene | 13.579 | 146 | 421910 | 26.279 | ug/L | 96 |
| 67) 1,2-Dichlorobenzene | 13.871 | 146 | 372083 | 26.331 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 24701 | 20.990 | ug/L | 94 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 303918 | 26.790 | ug/L | 96 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 227943 | 24.483 | ug/L | 98 |
| 71) Naphthalene | 15.365 | 128 | 425037 | 22.897 | ug/L | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.554 | 180 | 203416 | 24.659 | ug/L | 97 |

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

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