Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042123\
Data File : VW025619.D
Acq On : 21 Apr 2023 08:46
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025575

Quant Time: Apr 22 04:58:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Apr 21 01:47:12 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 676835 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 601278 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.555 | 152 | 299603 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.362 | 65 | 203125 | 18.442 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 73.760% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 156625 | 19.974 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 79.880% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.027 | 63 | 467222 | 20.976 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 83.920% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 134028 | 54.548 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 109.100% | | | |
| 24) Chloroform-d | 7.648 | 84 | 437347 | 23.014 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 92.040% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.306 | 65 | 228563 | 23.118 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 92.480% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 859282 | 22.070 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 88.280% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 272625 | 22.458 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 89.840% | | | |
| 41) Toluene-d8 | 10.324 | 98 | 754030 | 22.171 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 88.680% | | | |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79 | 103967 | 22.843 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 91.360% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 92566 | 55.786 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 111.580% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 208065 | 25.394 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 101.560% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 235242 | 22.855 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 91.440% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.015 | 85 | 229500 | 24.247 | ug/L | 95 |
| 3) Chloromethane | 2.222 | 50 | 273258 | 24.885 | ug/L | 98 |
| 5) Vinyl chloride | 2.375 | 62 | 298260 | 24.570 | ug/L | 96 |
| 6) Bromomethane | 2.789 | 94 | 155932 | 23.879 | ug/L | 96 |
| 8) Chloroethane | 2.929 | 64 | 166627 | 24.509 | ug/L | 99 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 234653 | 25.091 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.075 | 101 | 236506 | 25.201 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 232011 | 24.699 | ug/L | 92 |
| 13) Acetone | 4.118 | 43 | 132835 | 63.877 | ug/L | 99 |
| 14) Carbon disulfide | 4.392 | 76 | 735247 | 22.185 | ug/L | 99 |
| 15) Methyl Acetate | 4.673 | 43 | 125422 | 26.845 | ug/L | 98 |
| 16) Methylene chloride | 4.917 | 84 | 256918 | 23.881 | ug/L | 97 |
| 17) trans-1,2-Dichloroethene | 5.429 | 96 | 240386 | 24.070 | ug/L | 98 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 354829 | 25.745 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.215 | 63 | 507871 | 25.453 | ug/L | 99 |
| 20) cis-1,2-Dichloroethene | 7.166 | 96 | 262240 | 25.237 | ug/L | 100 |
| 22) 2-Butanone | 7.166 | 43 | 174855 | 59.147 | ug/L | 100 |
| 23) Bromochloromethane | 7.514 | 128 | 107236 | 25.165 | ug/L | 89 |
| 25) Chloroform | 7.678 | 83 | 468111 | 25.654 | ug/L | 100 |

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Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTD025575

Quant Time: Apr 22 04:58:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Apr 21 01:47:12 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 315826 | 25.793 | ug/L | | 99 |
| 29) Cyclohexane | 7.959 | 56 | 482920 | 24.814 | ug/L | | 99 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 382559 | 25.606 | ug/L | | 100 |
| 31) Carbon tetrachloride | 8.069 | 117 | 345693 | 25.622 | ug/L | | 100 |
| 33) Benzene | 8.325 | 78 | 1051039 | 25.114 | ug/L | | 100 |
| 34) Trichloroethene | 9.093 | 95 | 267004 | 24.527 | ug/L | | 94 |
| 35) Methylcyclohexane | 9.331 | 83 | 481152 | 24.477 | ug/L | | 100 |
| 37) 1,2-Dichloropropane | 9.367 | 63 | 284535 | 25.743 | ug/L | | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 322847 | 25.529 | ug/L | | 98 |
| 39) cis-1,3-Dichloropropene | 10.074 | 75 | 410479 | 25.890 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 10.208 | 43 | 346613 | 55.403 | ug/L | | 100 |
| 42) Toluene | 10.385 | 91 | 1099811 | 25.807 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 340076 | 26.012 | ug/L | | 98 |
| 45) 1,1,2-Trichloroethane | 10.788 | 97 | 183366 | 26.018 | ug/L | | 96 |
| 46) Tetrachloroethene | 10.861 | 164 | 184402 | 24.085 | ug/L | | 94 |
| 48) 2-Hexanone | 10.964 | 43 | 260384 | 60.237 | ug/L | | 97 |
| 49) Dibromochloromethane | 11.129 | 129 | 196087 | 26.426 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 167098 | 25.805 | ug/L | # | 97 |
| 51) Chlorobenzene | 11.653 | 112 | 657136 | 25.024 | ug/L | | 98 |
| 52) Ethylbenzene | 11.727 | 91 | 1240371 | 25.720 | ug/L | | 99 |
| 53) m,p-Xylene | 11.836 | 106 | 456994 | 25.840 | ug/L | | 97 |
| 54) o-Xylene | 12.165 | 106 | 434850 | 26.283 | ug/L | | 91 |
| 55) Styrene | 12.178 | 104 | 749358 | 26.909 | ug/L | | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83 | 224289 | 26.569 | ug/L | | 99 |
| 59) Bromoform | 12.348 | 173 | 108827 | 26.508 | ug/L | | 96 |
| 60) Isopropylbenzene | 12.458 | 105 | 1228801 | 26.183 | ug/L | | 100 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 162703 | 26.202 | ug/L | | 99 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 969161 | 26.159 | ug/L | | 98 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 956607 | 26.815 | ug/L | | 98 |
| 64) 1,3-Dichlorobenzene | 13.494 | 146 | 505978 | 26.016 | ug/L | | 99 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 501235 | 25.236 | ug/L | | 92 |
| 67) 1,2-Dichlorobenzene | 13.866 | 146 | 442026 | 25.925 | ug/L | | 99 |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75 | 34895 | 25.618 | ug/L | | 93 |
| 69) 1,3,5-Trichlorobenzene | 14.628 | 180 | 336018 | 25.805 | ug/L | | 96 |
| 70) 1,2,4-trichlorobenzene | 15.128 | 180 | 270134 | 25.538 | ug/L | | 97 |
| 71) Naphthalene | 15.360 | 128 | 560188 | 28.382 | ug/L | | 100 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 242679 | 26.241 | ug/L | | 92 |

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

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