Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080423\
Data File : VD076921.D
Acq On : 04 Aug 2023 11:29
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD025175

Quant Time: Aug 05 00:16:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 04 02:21:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.775 | 114 | 284167 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.581 | 117 | 287872 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.522 | 152 | 148021 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.269 | 65 | 154544 | 19.776 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 79.120% | | | |
| 7) Chloroethane-d5 | 2.799 | 69 | 151288 | 20.941 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 83.760% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.911 | 65 | 37957 | 20.499 | ug/L | -0.01 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 82.000% | | | |
| 21) 2-Butanone-d5 | 6.987 | 46 | 67245 | 53.596 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 107.200% | | | |
| 24) Chloroform-d | 7.563 | 84 | 211508 | 22.857 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 91.440% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.228 | 65 | 109445 | 23.726 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 94.920% | | | |
| 32) Benzene-d6 | 8.199 | 84 | 413079 | 22.823 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 91.280% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.210 | 67 | 126023 | 22.646 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 90.600% | | | |
| 41) Toluene-d8 | 10.269 | 98 | 389277 | 23.459 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 93.840% | | | |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79 | 55658 | 22.123 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 88.480% | | | |
| 47) 2-Hexanone-d5 | 10.875 | 63 | 59140 | 55.636 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 111.280% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84 | 133720 | 24.868 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 99.480% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.816 | 152 | 128378 | 23.723 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 94.880% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.934 | 85 | 99570 | 21.140 | ug/L | 99 |
| 3) Chloromethane | 2.146 | 50 | 141917 | 23.225 | ug/L | 99 |
| 5) Vinyl chloride | 2.281 | 62 | 193254 | 22.116 | ug/L | 92 |
| 6) Bromomethane | 2.693 | 94 | 142209 | 21.802 | ug/L | 99 |
| 8) Chloroethane | 2.834 | 64 | 136646 | 23.229 | ug/L | 98 |
| 9) Trichlorofluoromethane | 3.169 | 101 | 162579 | 22.471 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969 | 101 | 108868 | 23.092 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 3.940 | 96 | 94388 | 22.579 | ug/L | 78 |
| 13) Acetone | 4.016 | 43 | 82017 | 63.926 | ug/L | 76 |
| 14) Carbon disulfide | 4.269 | 76 | 334806 | 23.075 | ug/L | 96 |
| 15) Methyl Acetate | 4.563 | 43 | 53057 | 24.467 | ug/L # | 79 |
| 16) Methylene chloride | 4.793 | 84 | 135645 | 22.756 | ug/L | 75 |
| 17) trans-1,2-Dichloroethene | 5.310 | 96 | 108231 | 22.866 | ug/L | 90 |
| 18) Methyl tert-butyl Ether | 5.322 | 73 | 254114 | 24.301 | ug/L | 95 |
| 19) 1,1-Dichloroethane | 6.110 | 63 | 180440 | 22.831 | ug/L | 95 |
| 20) cis-1,2-Dichloroethene | 7.081 | 96 | 121262 | 22.950 | ug/L | 88 |
| 22) 2-Butanone | 7.081 | 43 | 95558 | 53.234 | ug/L | 86 |
| 23) Bromochloromethane | 7.428 | 128 | 59229 | 23.111 | ug/L # | 81 |
| 25) Chloroform | 7.593 | 83 | 200502 | 23.164 | ug/L | 100 |

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Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
VSTD025175

Quant Time: Aug 05 00:16:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 04 02:21:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.328 | 62 | 126086 | 23.242 | ug/L | | 96 |
| 29) Cyclohexane | 7.875 | 56 | 148859 | 23.490 | ug/L | # | 85 |
| 30) 1,1,1-Trichloroethane | 7.793 | 97 | 167425 | 23.472 | ug/L | | 96 |
| 31) Carbon tetrachloride | 7.987 | 117 | 138728 | 23.764 | ug/L | | 100 |
| 33) Benzene | 8.251 | 78 | 446335 | 23.654 | ug/L | | 100 |
| 34) Trichloroethene | 9.028 | 95 | 113151 | 23.026 | ug/L | | 97 |
| 35) Methylcyclohexane | 9.275 | 83 | 186503 | 23.273 | ug/L | | 91 |
| 37) 1,2-Dichloropropane | 9.304 | 63 | 115036 | 23.999 | ug/L | | 98 |
| 38) Bromodichloromethane | 9.587 | 83 | 152860 | 23.157 | ug/L | | 95 |
| 39) cis-1,3-Dichloropropene | 10.016 | 75 | 188273 | 24.337 | ug/L | | 100 |
| 40) 4-Methyl-2-pentanone | 10.157 | 43 | 156208 | 51.722 | ug/L | # | 90 |
| 42) Toluene | 10.334 | 91 | 490093 | 23.885 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 10.551 | 75 | 163390 | 24.166 | ug/L | | 97 |
| 45) 1,1,2-Trichloroethane | 10.734 | 97 | 101586 | 23.846 | ug/L | | 95 |
| 46) Tetrachloroethene | 10.810 | 164 | 86730 | 23.418 | ug/L | | 95 |
| 48) 2-Hexanone | 10.922 | 43 | 132463 | 57.033 | ug/L | # | 89 |
| 49) Dibromochloromethane | 11.075 | 129 | 111073 | 23.437 | ug/L | | 92 |
| 50) 1,2-Dibromoethane | 11.181 | 107 | 100782 | 24.257 | ug/L | | 88 |
| 51) Chlorobenzene | 11.610 | 112 | 309828 | 23.176 | ug/L | | 97 |
| 52) Ethylbenzene | 11.687 | 91 | 521672 | 23.859 | ug/L | | 99 |
| 53) m,p-Xylene | 11.792 | 106 | 202855 | 24.045 | ug/L | | 97 |
| 54) o-Xylene | 12.122 | 106 | 193560 | 23.855 | ug/L | | 99 |
| 55) Styrene | 12.134 | 104 | 358368 | 24.428 | ug/L | | 93 |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83 | 127583 | 24.214 | ug/L | | 99 |
| 59) Bromoform | 12.298 | 173 | 69705 | 23.745 | ug/L | # | 99 |
| 60) Isopropylbenzene | 12.422 | 105 | 511780 | 24.041 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 12.722 | 75 | 85354 | 24.707 | ug/L | | 97 |
| 62) 1,3,5-Trimethylbenzene | 12.904 | 105 | 398713 | 24.586 | ug/L | | 98 |
| 63) 1,2,4-Trimethylbenzene | 13.216 | 105 | 388640 | 24.080 | ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 13.457 | 146 | 228441 | 23.513 | ug/L | | 97 |
| 65) 1,4-Dichlorobenzene | 13.539 | 146 | 233035 | 23.205 | ug/L | | 99 |
| 67) 1,2-Dichlorobenzene | 13.834 | 146 | 211479 | 23.219 | ug/L | | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75 | 19277 | 24.353 | ug/L | # | 84 |
| 69) 1,3,5-Trichlorobenzene | 14.592 | 180 | 144251 | 23.726 | ug/L | | 96 |
| 70) 1,2,4-trichlorobenzene | 15.104 | 180 | 122953 | 22.990 | ug/L | | 97 |
| 71) Naphthalene | 15.333 | 128 | 306057 | 24.338 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.522 | 180 | 117850 | 24.298 | ug/L | | 100 |

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

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