Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112223\
Data File : VD077662.D
Acq On : 22 Nov 2023 11:25
Operator : JC/SY
Sample : 05438-07MSRE
Misc : 5.04G/10ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
EY1G7MS

Quant Time: Nov 23 00:31:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 22 01:40:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.781 | 114 | 337103 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.581 | 117 | 286094 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.522 | 152 | 119936 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.275 | 65 | 266501 | 31.077 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 124.320% | | | |
| 7) Chloroethane-d5 | 2.805 | 69 | 216548 | 32.145 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 128.560% | | | |
| 11) 1,1-Dichloroethene-d2 | 3.928 | 65 | 73033 | 27.542 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 110.160%# | | | |
| 21) 2-Butanone-d5 | 6.987 | 46 | 53715 | 36.179 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 72.360% | | | |
| 24) Chloroform-d | 7.569 | 84 | 282311 | 28.991 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 115.960% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.234 | 65 | 135426 | 26.145 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 104.560% | | | |
| 32) Benzene-d6 | 8.204 | 84 | 581037 | 31.292 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 125.160% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.210 | 67 | 178410 | 29.498 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 118.000% | | | |
| 41) Toluene-d8 | 10.269 | 98 | 516017 | 30.754 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 123.000% | | | |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79 | 66319 | 25.431 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 101.720% | | | |
| 47) 2-Hexanone-d5 | 10.881 | 63 | 42719 | 39.482 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 78.960% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84 | 94907 | 23.683 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 94.720% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.816 | 152 | 112281 | 26.315 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 105.280% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.934 | 85 | 112486 | 20.720 | ug/L | 98 |
| 3) Chloromethane | 2.152 | 50 | 159735 | 20.451 | ug/L | 98 |
| 5) Vinyl chloride | 2.287 | 62 | 200100 | 22.698 | ug/L | 97 |
| 6) Bromomethane | 2.699 | 94 | 112700 | 24.012 | ug/L | 97 |
| 8) Chloroethane | 2.840 | 64 | 134318 | 24.508 | ug/L | 90 |
| 9) Trichlorofluoromethane | 3.181 | 101 | 187734 | 23.400 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.975 | 101 | 112203 | 22.726 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 3.946 | 96 | 106455 | 22.207 | ug/L | 94 |
| 13) Acetone | 4.028 | 43 | 53171 | 34.070 | ug/L | 98 |
| 14) Carbon disulfide | 4.275 | 76 | 283748 | 16.438 | ug/L | 97 |
| 15) Methyl Acetate | 4.569 | 43 | 40757 | 15.874 | ug/L | 100 |
| 16) Methylene chloride | 4.810 | 84 | 128291 | 22.540 | ug/L | 92 |
| 17) trans-1,2-Dichloroethene | 5.316 | 96 | 109977 | 21.809 | ug/L | 98 |
| 18) Methyl tert-butyl Ether | 5.328 | 73 | 227643 | 19.234 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 6.116 | 63 | 231631 | 22.894 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.087 | 96 | 124462 | 22.718 | ug/L | 98 |
| 22) 2-Butanone | 7.087 | 43 | 56333 | 30.000 | ug/L | 99 |
| 23) Bromochloromethane | 7.428 | 128 | 49026 | 22.271 | ug/L | 94 |
| 25) Chloroform | 7.598 | 83 | 222983 | 23.991 | ug/L | 98 |

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**Instrument :**
MSVOA_D
**ClientSampleId :**
EY1G7MS

Quant Time: Nov 23 00:31:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 22 01:40:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.328 | 62 | 134692 | 21.861 | ug/L | | 96 |
| 29) Cyclohexane | 7.881 | 56 | 159180 | 17.136 | ug/L | | 97 |
| 30) 1,1,1-Trichloroethane | 7.798 | 97 | 189600 | 25.315 | ug/L | | 99 |
| 31) Carbon tetrachloride | 7.993 | 117 | 159845 | 24.834 | ug/L | | 98 |
| 33) Benzene | 8.251 | 78 | 493522 | 24.876 | ug/L | | 100 |
| 34) Trichloroethene | 9.028 | 95 | 117602 | 23.922 | ug/L | | 88 |
| 35) Methylcyclohexane | 9.275 | 83 | 122041 | 13.757 | ug/L | | 98 |
| 37) 1,2-Dichloropropane | 9.304 | 63 | 132088 | 23.949 | ug/L | | 99 |
| 38) Bromodichloromethane | 9.587 | 83 | 155697 | 24.611 | ug/L | | 98 |
| 39) cis-1,3-Dichloropropene | 10.022 | 75 | 197343 | 23.285 | ug/L | | 95 |
| 40) 4-Methyl-2-pentanone | 10.157 | 43 | 116788 | 34.748 | ug/L | | 97 |
| 42) Toluene | 10.334 | 91 | 509545 | 24.462 | ug/L | | 100 |
| 44) trans-1,3-Dichloropropene | 10.557 | 75 | 154185 | 22.017 | ug/L | | 96 |
| 45) 1,1,2-Trichloroethane | 10.734 | 97 | 77704 | 23.048 | ug/L | | 97 |
| 46) Tetrachloroethene | 10.810 | 164 | 80790 | 22.335 | ug/L | | 96 |
| 48) 2-Hexanone | 10.922 | 43 | 86001 | 32.281 | ug/L | | 96 |
| 49) Dibromochloromethane | 11.075 | 129 | 90805 | 23.711 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 11.181 | 107 | 68414 | 21.220 | ug/L | | 99 |
| 51) Chlorobenzene | 11.610 | 112 | 289203 | 23.699 | ug/L | | 99 |
| 52) Ethylbenzene | 11.686 | 91 | 523187 | 22.827 | ug/L | | 98 |
| 53) m,p-Xylene | 11.792 | 106 | 190884 | 22.887 | ug/L | | 97 |
| 54) o-Xylene | 12.122 | 106 | 188367 | 23.582 | ug/L | | 94 |
| 55) Styrene | 12.134 | 104 | 327831 | 23.505 | ug/L | | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83 | 83012 | 20.901 | ug/L | | 99 |
| 59) Bromoform | 12.298 | 173 | 49276 | 24.098 | ug/L | | 96 |
| 60) Isopropylbenzene | 12.422 | 105 | 465336 | 23.987 | ug/L | | 100 |
| 61) 1,2,3-Trichloropropane | 12.728 | 75 | 56970 | 22.300 | ug/L | | 97 |
| 62) 1,3,5-Trimethylbenzene | 12.904 | 105 | 330062 | 22.417 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 13.216 | 105 | 337262 | 22.613 | ug/L | | 100 |
| 64) 1,3-Dichlorobenzene | 13.463 | 146 | 178562 | 22.436 | ug/L | | 98 |
| 65) 1,4-Dichlorobenzene | 13.539 | 146 | 182908 | 22.772 | ug/L | | 97 |
| 67) 1,2-Dichlorobenzene | 13.833 | 146 | 157085 | 22.324 | ug/L | | 97 |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75 | 10658 | 19.179 | ug/L | # | 82 |
| 69) 1,3,5-Trichlorobenzene | 14.592 | 180 | 81065 | 14.959 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 15.104 | 180 | 63176 | 13.832 | ug/L | | 99 |
| 71) Naphthalene | 15.333 | 128 | 141818 | 16.476 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.527 | 180 | 51555 | 13.239 | ug/L | | 98 |

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

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