Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110321\
Data File : VU045526.D
Acq On : 03 Nov 2021 17:04
Operator : SY/MD
Sample : MDL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL01

Quant Time: Nov 09 07:55:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 09 07:37:44 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.253 | 114 | 157137 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.420 | 117 | 161855 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.815 | 152 | 73791 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.600 | 65 | 65236 | 4.989 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 99.800% | | | |
| 7) Chloroethane-d5 | 1.919 | 69 | 39976 | 4.793 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 95.800% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.571 | 65 | 24415 | 4.782 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 95.600% | | | |
| 20) 2-Butanone-d5 | 4.639 | 46 | 194551 | 54.170 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 108.340% | | | |
| 24) Chloroform-d | 5.070 | 84 | 105796 | 4.954 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 99.000% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.706 | 65 | 52194 | 4.739 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.800% | | | |
| 32) Benzene-d6 | 5.732 | 84 | 213350 | 4.517 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 90.400% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.693 | 67 | 71338 | 4.530 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.600% | | | |
| 41) Toluene-d8 | 7.902 | 98 | 198847 | 4.551 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.000% | | | |
| 43) trans-1,3-Dichloroprop... | 8.182 | 79 | 28431 | 4.466 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.400% | | | |
| 46) 2-Hexanone-d5 | 8.635 | 63 | 165212 | 46.040 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 92.080% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84 | 62791 | 4.570 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 91.400% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.195 | 152 | 71100 | 5.070 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 101.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 2853 | 0.206 | ug/L | 95 |
| 3) Chloromethane | 1.520 | 50 | 5074 | 0.307 | ug/L | 100 |
| 5) Vinyl chloride | 1.607 | 62 | 3615 | 0.230 | ug/L # | 78 |
| 6) Bromomethane | 1.861 | 94 | 1529 | 0.214 | ug/L | 94 |
| 8) Chloroethane | 1.938 | 64 | 1479 | 0.207 | ug/L | 96 |
| 9) Trichlorofluoromethane | 2.144 | 101 | 2629 | 0.203 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581 | 101 | 2626 | 0.257 | ug/L # | 79 |
| 12) 1,1-Dichloroethene | 2.581 | 96 | 2570 | 0.258 | ug/L # | 1 |
| 13) Acetone | 2.658 | 43 | 5118 | 2.493 | ug/L | 89 |
| 14) Carbon disulfide | 2.800 | 76 | 8020 | 0.228 | ug/L | 96 |
| 15) Methyl Acetate | 2.954 | 43 | 1167 | 0.220 | ug/L # | 57 |
| 16) Methylene chloride | 3.054 | 84 | 3154 | 0.251 | ug/L | 91 |
| 17) Methyl tert-butyl Ether | 3.369 | 73 | 5758 | 0.204 | ug/L | 96 |
| 18) trans-1,2-Dichloroethene | 3.356 | 96 | 2418 | 0.217 | ug/L | 89 |
| 19) 1,1-Dichloroethane | 3.874 | 63 | 4568 | 0.225 | ug/L | 95 |
| 21) 2-Butanone | 4.726 | 43 | 8262 | 2.518 | ug/L | 86 |
| 22) cis-1,2-Dichloroethene | 4.671 | 96 | 2503 | 0.224 | ug/L | 93 |
| 23) Bromochloromethane | 4.980 | 128 | 1020 | 0.206 | ug/L # | 85 |
| 25) Chloroform | 5.092 | 83 | 5800 | 0.298 | ug/L | 96 |

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**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL01

Quant Time: Nov 09 07:55:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 09 07:37:44 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.803 | 62 | 2689 | 0.221 | ug/L | # | 72 |
| 29) 1,1,1-Trichloroethane | 5.327 | 97 | 3663 | 0.221 | ug/L | | 89 |
| 30) Cyclohexane | 5.394 | 56 | 3626 | 0.179 | ug/L | | 90 |
| 31) Carbon tetrachloride | 5.533 | 117 | 2356 | 0.174 | ug/L | | 95 |
| 33) Benzene | 5.780 | 78 | 9259 | 0.191 | ug/L | | 100 |
| 34) Trichloroethene | 6.545 | 95 | 2326 | 0.188 | ug/L | | 93 |
| 35) Methylcyclohexane | 6.764 | 83 | 3618 | 0.168 | ug/L | | 94 |
| 37) 1,2-Dichloropropane | 6.793 | 63 | 2272 | 0.176 | ug/L | # | 87 |
| 38) Bromodichloromethane | 7.111 | 83 | 2687 | 0.186 | ug/L | # | 91 |
| 39) cis-1,3-Dichloropropene | 7.610 | 75 | 3276 | 0.176 | ug/L | | 99 |
| 40) 4-Methyl-2-pentanone | 7.793 | 43 | 15608 | 1.806 | ug/L | # | 88 |
| 42) Toluene | 7.973 | 91 | 13027 | 0.247 | ug/L | | 94 |
| 44) trans-1,3-Dichloropropene | 8.214 | 75 | 3494 | 0.216 | ug/L | # | 71 |
| 45) 1,1,2-Trichloroethane | 8.404 | 97 | 1779 | 0.191 | ug/L | | 89 |
| 47) Tetrachloroethene | 8.558 | 164 | 1666 | 0.187 | ug/L | | 89 |
| 48) 2-Hexanone | 8.690 | 43 | 18419 | 2.912 | ug/L | | 95 |
| 49) Dibromochloromethane | 8.812 | 129 | 1832 | 0.200 | ug/L | | 90 |
| 50) 1,2-Dibromoethane | 8.928 | 107 | 1678 | 0.202 | ug/L | # | 88 |
| 51) Chlorobenzene | 9.449 | 112 | 6302 | 0.202 | ug/L | | 95 |
| 52) Ethylbenzene | 9.571 | 91 | 10676 | 0.196 | ug/L | | 100 |
| 53) m,p-Xylene | 9.697 | 106 | 3954 | 0.188 | ug/L | | 90 |
| 54) o-Xylene | 10.102 | 106 | 3826 | 0.186 | ug/L | | 100 |
| 55) Styrene | 10.118 | 104 | 5698 | 0.167 | ug/L | | 94 |
| 57) 1,1,2,2-Tetrachloroethane | 10.786 | 83 | 2466 | 0.198 | ug/L | # | 80 |
| 59) Bromoform | 10.295 | 173 | 911 | 0.199 | ug/L | # | 81 |
| 60) Isopropylbenzene | 10.487 | 105 | 9195 | 0.193 | ug/L | | 99 |
| 61) 1,2,3-Trichloropropane | 10.825 | 75 | 1699 | 0.207 | ug/L | | 97 |
| 62) 1,3,5-Trimethylbenzene | 11.092 | 105 | 7214 | 0.177 | ug/L | | 93 |
| 63) 1,2,4-Trimethylbenzene | 11.471 | 105 | 7537 | 0.185 | ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 11.751 | 146 | 4522 | 0.206 | ug/L | | 96 |
| 65) 1,4-Dichlorobenzene | 11.838 | 146 | 4714 | 0.214 | ug/L | | 97 |
| 67) 1,2-Dichlorobenzene | 12.214 | 146 | 4675 | 0.221 | ug/L | | 96 |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75 | 355 | 0.194 | ug/L | # | 78 |
| 69) 1,3,5-Trichlorobenzene | 13.220 | 180 | 3430 | 0.212 | ug/L | | 98 |
| 70) 1,2,4-trichlorobenzene | 13.844 | 180 | 2903 | 0.201 | ug/L | | 97 |
| 71) Naphthalene | 14.089 | 128 | 5809 | 0.187 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 14.333 | 180 | 2610 | 0.192 | ug/L | | 94 |

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

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