Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051624.D
Acq On : 31 Oct 2022 20:29
Operator : JC/MD
Sample : N5353-14MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
DBWW9MS

Quant Time: Nov 01 01:30:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 01 01:25:31 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.247 | 114 | 207161 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.417 | 117 | 215600 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.809 | 152 | 113603 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.597 | 65 | 51774 | 3.318 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 66.400% | | | |
| 7) Chloroethane-d5 | 1.909 | 69 | 64889 | 3.988 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 79.800% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.565 | 65 | 19745 | 3.487 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 69.800% | | | |
| 20) 2-Butanone-d5 | 4.616 | 46 | 292285 | 51.727 | ug/L | -0.01 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 103.460% | | | |
| 24) Chloroform-d | 5.063 | 84 | 165481 | 4.532 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 90.600% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.700 | 65 | 90451 | 4.586 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.800% | | | |
| 32) Benzene-d6 | 5.726 | 84 | 280927 | 4.129 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 82.600% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.690 | 67 | 104767 | 4.404 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 88.000% | | | |
| 41) Toluene-d8 | 7.896 | 98 | 222863 | 4.165 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 83.400% | | | |
| 43) trans-1,3-Dichloroprop... | 8.179 | 79 | 32209 | 4.428 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 88.600% | | | |
| 46) 2-Hexanone-d5 | 8.629 | 63 | 230860 | 52.719 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 105.440% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84 | 106663 | 4.892 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 97.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.192 | 152 | 87043 | 4.175 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 83.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.385 | 85 | 109486 | 4.833 | ug/L | 99 |
| 3) Chloromethane | 1.527 | 50 | 133938 | 4.690 | ug/L | 99 |
| 5) Vinyl chloride | 1.604 | 62 | 142159 | 5.196 | ug/L # | 55 |
| 6) Bromomethane | 1.848 | 94 | 26499 | 2.043 | ug/L | 98 |
| 8) Chloroethane | 1.932 | 64 | 86436 | 5.203 | ug/L | 93 |
| 9) Trichlorofluoromethane | 2.137 | 101 | 149222 | 4.969 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578 | 101 | 88608 | 5.019 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.578 | 96 | 90450 | 5.022 | ug/L | 93 |
| 13) Acetone | 2.623 | 43 | 152964 | 53.354 | ug/L | 99 |
| 14) Carbon disulfide | 2.790 | 76 | 299200 | 5.154 | ug/L | 99 |
| 15) Methyl Acetate | 2.948 | 43 | 40081 | 5.340 | ug/L | 98 |
| 16) Methylene chloride | 3.044 | 84 | 117119 | 3.970 | ug/L | 100 |
| 17) Methyl tert-butyl Ether | 3.362 | 73 | 224332 | 5.432 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.350 | 96 | 239059 | 12.369 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.867 | 63 | 226161 | 6.344 | ug/L | 98 |
| 21) 2-Butanone | 4.697 | 43 | 259705 | 57.844 | ug/L | 100 |
| 22) cis-1,2-Dichloroethene | 4.665 | 96 | 750293 | 35.083 | ug/L | 99 |
| 23) Bromochloromethane | 4.973 | 128 | 52395 | 5.240 | ug/L | 97 |
| 25) Chloroform | 5.086 | 83 | 200359 | 5.417 | ug/L | 99 |

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 01 01:25:31 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.793 | 62 | 119578 | 5.254 | ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 5.314 | 97 | 148475 | 5.072 | ug/L | 99 |
| 30) Cyclohexane | 5.385 | 56 | 125770 | 4.666 | ug/L | 98 |
| 31) Carbon tetrachloride | 5.523 | 117 | 126002 | 5.033 | ug/L | 99 |
| 33) Benzene | 5.771 | 78 | 461633 | 5.426 | ug/L | 100 |
| 34) Trichloroethene | 6.539 | 95 | 175662 | 8.555 | ug/L | 99 |
| 35) Methylcyclohexane | 6.761 | 83 | 130817 | 4.608 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.790 | 63 | 117388 | 5.364 | ug/L | 100 |
| 38) Bromodichloromethane | 7.105 | 83 | 141781 | 5.304 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.607 | 75 | 138967 | 4.950 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.790 | 43 | 597578 | 54.443 | ug/L | 100 |
| 42) Toluene | 7.967 | 91 | 465995 | 5.333 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 8.208 | 75 | 120961 | 5.156 | ug/L | 95 |
| 45) 1,1,2-Trichloroethane | 8.398 | 97 | 85481 | 5.331 | ug/L | 98 |
| 47) Tetrachloroethene | 8.552 | 164 | 79085 | 5.029 | ug/L | 95 |
| 48) 2-Hexanone | 8.681 | 43 | 456988 | 56.247 | ug/L | 99 |
| 49) Dibromochloromethane | 8.809 | 129 | 96491 | 5.267 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.922 | 107 | 76047 | 5.256 | ug/L | 91 |
| 51) Chlorobenzene | 9.446 | 112 | 531964 | 9.673 | ug/L | 99 |
| 52) Ethylbenzene | 9.568 | 91 | 439196 | 5.209 | ug/L | 100 |
| 53) m,p-Xylene | 9.693 | 106 | 174109 | 5.317 | ug/L | 98 |
| 54) o-Xylene | 10.099 | 106 | 168958 | 5.279 | ug/L | 98 |
| 55) Styrene | 10.111 | 104 | 292861 | 5.473 | ug/L | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83 | 108224 | 5.443 | ug/L | 98 |
| 59) Bromoform | 10.288 | 173 | 54048 | 5.149 | ug/L | 99 |
| 60) Isopropylbenzene | 10.481 | 105 | 417079 | 5.029 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 10.819 | 75 | 74790 | 5.091 | ug/L | 98 |
| 62) 1,3,5-Trimethylbenzene | 11.086 | 105 | 104082 | 4.662 | ug/L | 98 |
| 63) 1,2,4-Trimethylbenzene | 11.468 | 105 | 305488 | 4.745 | ug/L | 98 |
| 64) 1,3-Dichlorobenzene | 11.745 | 146 | 213409 | 5.169 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.835 | 146 | 269752 | 6.516 | ug/L | 99 |
| 67) 1,2-Dichlorobenzene | 12.211 | 146 | 233927 | 5.817 | ug/L | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75 | 15860 | 5.243 | ug/L | 97 |
| 69) 1,3,5-Trichlorobenzene | 13.217 | 180 | 140127 | 4.762 | ug/L | 99 |
| 70) 1,2,4-trichlorobenzene | 13.838 | 180 | 105441 | 4.667 | ug/L | 99 |
| 71) Naphthalene | 14.086 | 128 | 186697 | 4.427 | ug/L | 98 |
| 72) 1,2,3-Trichlorobenzene | 14.327 | 180 | 107891 | 4.729 | ug/L | 100 |

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

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