Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120622\
Data File : VV029407.D
Acq On : 06 Dec 2022 11:57
Operator : SY/MD
Sample : MDL07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
MDL07

**Manual Integrations APPROVED**

Reviewed By :Krupa Patel 12/08/2022
Supervised By :Mahesh Dadoda 12/08/2022

Quant Time: Dec 06 21:55:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Dec 06 21:48:39 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 5.613 | 114 | 217495 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.844 | 117 | 199372 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.239 | 152 | 103057 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.304 | 65 | 66538 | 4.971 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 99.400% | | | |
| 7) Chloroethane-d5 | 1.565 | 69 | 50989 | 5.204 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 104.000% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.105 | 63 | 78366 | 3.659 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 73.200% | | | |
| 20) 2-Butanone-d5 | 3.899 | 46 | 81194 | 36.262 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 72.520% | | | |
| 24) Chloroform-d | 4.343 | 84 | 111597 | 4.671 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.400% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.027 | 65 | 48442 | 4.608 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 92.200% | | | |
| 32) Benzene-d6 | 5.044 | 84 | 241063 | 4.375 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.400% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.066 | 67 | 73086 | 4.720 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 94.400% | | | |
| 41) Toluene-d8 | 7.310 | 98 | 218599 | 4.203 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 84.000% | | | |
| 43) trans-1,3-Dichloroprop... | 7.616 | 79 | 27318 | 4.576 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 91.600% | | | |
| 46) 2-Hexanone-d5 | 8.085 | 63 | 89245 | 41.941 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 83.880% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84 | 47203 | 4.941 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 98.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.616 | 152 | 76138 | 4.229 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 84.600% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.127 | 85 | 3430 | 0.211 | ug/L | 93 |
| 3) Chloromethane | 1.240 | 50 | 4264 | 0.287 | ug/L | 91 |
| 5) Vinyl chloride | 1.307 | 62 | 3552 | 0.240 | ug/L # | 66 |
| 6) Bromomethane | 1.520 | 94 | 1838 | 0.199 | ug/L | 97 |
| 8) Chloroethane | 1.584 | 64 | 2231 | 0.253 | ug/L | 89 |
| 9) Trichlorofluoromethane | 1.751 | 101 | 4582 | 0.221 | ug/L | 96 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111 | 101 | 3480 | 0.301 | ug/L # | 83 |
| 12) 1,1-Dichloroethene | 2.114 | 96 | 3259 | 0.291 | ug/L # | 1 |
| 14) Carbon disulfide | 2.291 | 76 | 8185 | 0.252 | ug/L | 99 |
| 16) Methylene chloride | 2.503 | 84 | 6106 | 0.357 | ug/L | 95 |
| 17) Methyl tert-butyl Ether | 2.764 | 73 | 6702 | 0.234 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.761 | 96 | 3095 | 0.241 | ug/L | 88 |
| 19) 1,1-Dichloroethane | 3.192 | 63 | 5693 | 0.246 | ug/L | 94 |
| 21) 2-Butanone | 4.005 | 43 | 4996m | 1.960 | ug/L | |
| 22) cis-1,2-Dichloroethene | 3.905 | 96 | 3506 | 0.239 | ug/L | 93 |
| 23) Bromochloromethane | 4.253 | 128 | 1390 | 0.236 | ug/L | 93 |
| 25) Chloroform | 4.372 | 83 | 6396 | 0.265 | ug/L | 93 |
| 27) 1,2-Dichloroethane | 5.134 | 62 | 3316 | 0.254 | ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 4.597 | 97 | 5385 | 0.235 | ug/L | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 30) Cyclohexane | 4.667 | 56 | 4550 | 0.201 | ug/L | | 93 |
| 31) Carbon tetrachloride | 4.818 | 117 | 4486 | 0.231 | ug/L | | 100 |
| 33) Benzene | 5.095 | 78 | 14110 | 0.237 | ug/L | | 100 |
| 34) Trichloroethene | 5.918 | 95 | 3420 | 0.225 | ug/L | | 96 |
| 35) Methylcyclohexane | 6.121 | 83 | 5946 | 0.232 | ug/L | | 95 |
| 37) 1,2-Dichloropropane | 6.169 | 63 | 3600 | 0.256 | ug/L | # | 85 |
| 38) Bromodichloromethane | 6.506 | 83 | 4264 | 0.254 | ug/L | | 97 |
| 39) cis-1,3-Dichloropropene | 7.024 | 75 | 4666 | 0.227 | ug/L | | 100 |
| 40) 4-Methyl-2-pentanone | 7.230 | 43 | 12579 | 1.914 | ug/L | # | 86 |
| 42) Toluene | 7.387 | 91 | 14677 | 0.229 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 7.648 | 75 | 3716m | 0.228 | ug/L | | |
| 45) 1,1,2-Trichloroethane | 7.834 | 97 | 2281 | 0.240 | ug/L | | 96 |
| 47) Tetrachloroethene | 7.969 | 164 | 2640 | 0.212 | ug/L | | 91 |
| 49) Dibromochloromethane | 8.243 | 129 | 2693 | 0.252 | ug/L | | 89 |
| 50) 1,2-Dibromoethane | 8.349 | 107 | 1977 | 0.238 | ug/L | # | 98 |
| 51) Chlorobenzene | 8.876 | 112 | 9288 | 0.232 | ug/L | | 91 |
| 52) Ethylbenzene | 9.008 | 91 | 15407 | 0.231 | ug/L | | 97 |
| 53) m,p-Xylene | 9.133 | 106 | 5850 | 0.222 | ug/L | | 99 |
| 54) o-Xylene | 9.539 | 106 | 5447 | 0.211 | ug/L | | 97 |
| 55) Styrene | 9.558 | 104 | 9642 | 0.221 | ug/L | | 91 |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83 | 2670 | 0.271 | ug/L | # | 98 |
| 59) Bromoform | 9.722 | 173 | 1325 | 0.245 | ug/L | # | 89 |
| 60) Isopropylbenzene | 9.924 | 105 | 15068 | 0.226 | ug/L | | 98 |
| 61) 1,2,3-Trichloropropane | 10.265 | 75 | 2089 | 0.292 | ug/L | # | 91 |
| 62) 1,3,5-Trimethylbenzene | 10.529 | 105 | 12565 | 0.218 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 10.905 | 105 | 13122 | 0.226 | ug/L | | 97 |
| 64) 1,3-Dichlorobenzene | 11.175 | 146 | 7597 | 0.244 | ug/L | | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 12.413 | 75 | 381 | 0.271 | ug/L | # | 60 |
| 69) 1,3,5-Trichlorobenzene | 12.632 | 180 | 5932 | 0.232 | ug/L | | 95 |
| 70) 1,2,4-trichlorobenzene | 13.252 | 180 | 4837 | 0.233 | ug/L | | 99 |
| 71) Naphthalene | 13.497 | 128 | 5284 | 0.294 | ug/L | | 98 |
| 72) 1,2,3-Trichlorobenzene | 13.735 | 180 | 4327 | 0.256 | ug/L | | 94 |

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

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