Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091621\
Data File : VU044658.D
Acq On : 16 Sep 2021 13:25
Operator : SY/MD
Sample : MDL06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL06

**Manual Integrations APPROVED**
MMDadoda
9/17/2021 4:35:10 PM

Quant Time: Sep 17 04:30:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090921WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 17 02:59:59 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.256 | 114 | 123500 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.423 | 117 | 124261 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.819 | 152 | 56024 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.601 | 65 | 26425 | 3.626 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 72.600% | | | |
| 7) Chloroethane-d5 | 1.919 | 69 | 31382 | 4.220 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 84.400% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.572 | 65 | 14898 | 4.048 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 81.000% | | | |
| 20) 2-Butanone-d5 | 4.645 | 46 | 160767m | 52.630 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 105.260% | | | |
| 24) Chloroform-d | 5.073 | 84 | 72489 | 4.729 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.600% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.710 | 65 | 43530 | 4.763 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 95.200% | | | |
| 32) Benzene-d6 | 5.735 | 84 | 136256 | 4.301 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 86.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.697 | 67 | 49006 | 4.710 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 94.200% | | | |
| 41) Toluene-d8 | 7.906 | 98 | 110221 | 3.996 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 80.000% | | | |
| 43) trans-1,3-Dichloroprop... | 8.185 | 79 | 15399 | 4.198 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 84.000% | | | |
| 46) 2-Hexanone-d5 | 8.649 | 63 | 116886 | 49.583 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 99.160% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84 | 44317 | 4.803 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 96.000% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.198 | 152 | 41155 | 4.452 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 89.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 2033 | 0.206 | ug/L | 97 |
| 3) Chloromethane | 1.520 | 50 | 3239 | 0.274 | ug/L | 99 |
| 5) Vinyl chloride | 1.607 | 62 | 2993 | 0.248 | ug/L # | 64 |
| 6) Bromomethane | 1.861 | 94 | 1765 | 0.285 | ug/L | 85 |
| 8) Chloroethane | 1.941 | 64 | 2074m | 0.269 | ug/L | |
| 9) Trichlorofluoromethane | 2.144 | 101 | 3313 | 0.244 | ug/L | 95 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584 | 101 | 2181 | 0.261 | ug/L # | 82 |
| 12) 1,1-Dichloroethene | 2.584 | 96 | 2005 | 0.253 | ug/L # | 1 |
| 13) Acetone | 2.655 | 43 | 2833 | 1.424 | ug/L | 87 |
| 14) Carbon disulfide | 2.800 | 76 | 5347 | 0.213 | ug/L | 97 |
| 15) Methyl Acetate | 2.967 | 43 | 937 | 0.261 | ug/L # | 68 |
| 16) Methylene chloride | 3.054 | 84 | 78978 | 6.260 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 3.375 | 73 | 4828 | 0.220 | ug/L | 94 |
| 18) trans-1,2-Dichloroethene | 3.363 | 96 | 1886 | 0.224 | ug/L | 92 |
| 19) 1,1-Dichloroethane | 3.880 | 63 | 4052 | 0.238 | ug/L | 98 |
| 21) 2-Butanone | 4.726 | 43 | 6832m | 2.057 | ug/L | |
| 22) cis-1,2-Dichloroethene | 4.678 | 96 | 2160 | 0.232 | ug/L | 89 |
| 23) Bromochloromethane | 4.977 | 128 | 922m | 0.234 | ug/L | |
| 25) Chloroform | 5.096 | 83 | 6641 | 0.365 | ug/L | 94 |

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Quant Time: Sep 17 04:30:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090921WMA.M
Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 5.800 | 62 | 3021 | 0.254 | ug/L | | 97 |
| 29) 1,1,1-Trichloroethane | 5.327 | 97 | 3087 | 0.228 | ug/L | | 95 |
| 30) Cyclohexane | 5.398 | 56 | 3044 | 0.196 | ug/L | | 93 |
| 31) Carbon tetrachloride | 5.530 | 117 | 2185 | 0.206 | ug/L | | 96 |
| 33) Benzene | 5.780 | 78 | 8629 | 0.234 | ug/L | | 100 |
| 34) Trichloroethene | 6.549 | 95 | 2105 | 0.231 | ug/L | | 93 |
| 35) Methylcyclohexane | 6.771 | 83 | 3025 | 0.202 | ug/L | # | 90 |
| 37) 1,2-Dichloropropane | 6.800 | 63 | 2512 | 0.254 | ug/L | # | 88 |
| 38) Bromodichloromethane | 7.115 | 83 | 2704 | 0.226 | ug/L | | 90 |
| 39) cis-1,3-Dichloropropene | 7.613 | 75 | 3145 | 0.225 | ug/L | | 97 |
| 40) 4-Methyl-2-pentanone | 7.803 | 43 | 16819 | 2.187 | ug/L | # | 90 |
| 42) Toluene | 7.976 | 91 | 10465 | 0.272 | ug/L | | 91 |
| 44) trans-1,3-Dichloropropene | 8.218 | 75 | 3064 | 0.256 | ug/L | | 89 |
| 45) 1,1,2-Trichloroethane | 8.407 | 97 | 1606 | 0.229 | ug/L | | 97 |
| 47) Tetrachloroethene | 8.558 | 164 | 1391 | 0.219 | ug/L | | 94 |
| 48) 2-Hexanone | 8.697 | 43 | 19194 | 3.352 | ug/L | # | 87 |
| 49) Dibromochloromethane | 8.816 | 129 | 1554 | 0.211 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 8.931 | 107 | 1433 | 0.217 | ug/L | # | 79 |
| 51) Chlorobenzene | 9.452 | 112 | 5759 | 0.241 | ug/L | | 96 |
| 52) Ethylbenzene | 9.575 | 91 | 8527 | 0.204 | ug/L | | 100 |
| 53) m,p-Xylene | 9.700 | 106 | 3092 | 0.195 | ug/L | | 98 |
| 54) o-Xylene | 10.105 | 106 | 2953 | 0.195 | ug/L | | 89 |
| 55) Styrene | 10.121 | 104 | 4711 | 0.178 | ug/L | | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83 | 2448 | 0.259 | ug/L | # | 93 |
| 59) Bromoform | 10.298 | 173 | 649 | 0.186 | ug/L | # | 94 |
| 60) Isopropylbenzene | 10.491 | 105 | 7601 | 0.217 | ug/L | | 98 |
| 61) 1,2,3-Trichloropropane | 10.828 | 75 | 1623 | 0.262 | ug/L | | 93 |
| 62) 1,3,5-Trimethylbenzene | 11.092 | 105 | 5863 | 0.201 | ug/L | | 99 |
| 63) 1,2,4-Trimethylbenzene | 11.475 | 105 | 5767 | 0.193 | ug/L | | 98 |
| 64) 1,3-Dichlorobenzene | 11.751 | 146 | 3667 | 0.224 | ug/L | | 97 |
| 65) 1,4-Dichlorobenzene | 11.845 | 146 | 3734 | 0.221 | ug/L | | 96 |
| 67) 1,2-Dichlorobenzene | 12.217 | 146 | 3890 | 0.251 | ug/L | | 95 |
| 69) 1,3,5-Trichlorobenzene | 13.227 | 180 | 2291 | 0.184 | ug/L | | 97 |
| 70) 1,2,4-trichlorobenzene | 13.844 | 180 | 1802 | 0.172 | ug/L | # | 94 |
| 71) Naphthalene | 14.095 | 128 | 3323 | 0.162 | ug/L | # | 87 |
| 72) 1,2,3-Trichlorobenzene | 14.333 | 180 | 1666 | 0.173 | ug/L | | 96 |

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

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