Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122920\
Data File : VV019869.D
Acq On : 29 Dec 2020 18:05
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD005302

Quant Time: Dec 30 04:50:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 30 04:48:15 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.62 | 114 | 268876 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.86 | 117 | 252066 | 5.00 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.26 | 152 | 125025 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.30 | 65 | 92216 | 4.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 95.40% | | | |
| 7) Chloroethane-d5 | 1.56 | 69 | 78933 | 4.89 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 97.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.11 | 63 | 197504 | 4.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 98.60% | | | |
| 20) 2-Butanone-d5 | 3.94 | 46 | 213411 | 52.28 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 104.56% | | | |
| 24) Chloroform-d | 4.35 | 84 | 173106 | 4.83 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 96.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.04 | 65 | 89014 | 4.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 98.60% | | | |
| 32) Benzene-d6 | 5.05 | 84 | 341066 | 4.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.07 | 67 | 102050 | 4.91 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 98.20% | | | |
| 41) Toluene-d8 | 7.32 | 98 | 297684 | 4.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 98.60% | | | |
| 43) trans-1,3-Dichloropropene- | 7.63 | 79 | 36521 | 5.04 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 100.80% | | | |
| 46) 2-Hexanone-d5 | 8.10 | 63 | 150261 | 51.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 103.20% | | | |
| 56) 1,1,2,2-Tetrachloroethane- | 10.22 | 84 | 65521 | 5.04 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 100.80% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 11.63 | 152 | 96426 | 4.97 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 99.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.13 | 85 | 129666 | 5.042 | ug/L | 99 |
| 3) Chloromethane | 1.24 | 50 | 144578 | 5.083 | ug/L | 100 |
| 5) Vinyl chloride | 1.31 | 62 | 140198 | 5.025 | ug/L | 98 |
| 6) Bromomethane | 1.52 | 94 | 81331 | 4.979 | ug/L | 99 |
| 8) Chloroethane | 1.58 | 64 | 86108 | 5.049 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.75 | 101 | 170012 | 5.017 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.11 | 101 | 93884 | 5.149 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.11 | 96 | 93827 | 5.036 | ug/L | 94 |
| 13) Acetone | 2.23 | 43 | 159879 | 52.228 | ug/L | 92 |
| 14) Carbon disulfide | 2.29 | 76 | 311798 | 4.833 | ug/L | 100 |
| 15) Methyl Acetate | 2.45 | 43 | 43531 | 5.693 | ug/L | 94 |
| 16) Methylene chloride | 2.51 | 84 | 107262 | 4.728 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 2.78 | 73 | 234616 | 5.035 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.76 | 96 | 106431 | 5.058 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.19 | 63 | 207298 | 5.089 | ug/L | 100 |
| 21) 2-Butanone | 4.01 | 43 | 261533 | 50.782 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 3.92 | 96 | 108861 | 4.976 | ug/L | 96 |

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Misc : 25.0mL/MSVOA_V/WATER
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**Instrument :** MSVOA_V
**ClientSampleId :** VSTD005302

Quant Time: Dec 30 04:50:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 30 04:48:15 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.25 | 128 | 44544 | 5.107 ug/L | | 98 |
| 25) Chloroform | 4.38 | 83 | 205467 | 5.071 ug/L | | 98 |
| 27) 1,2-Dichloroethane | 5.14 | 62 | 127023 | 5.146 ug/L | | 97 |
| 29) 1,1,1-Trichloroethane | 4.61 | 97 | 172566 | 5.020 ug/L | | 99 |
| 30) Cyclohexane | 4.68 | 56 | 173744 | 5.024 ug/L | | 99 |
| 31) Carbon tetrachloride | 4.83 | 117 | 143013 | 5.093 ug/L | | 100 |
| 33) Benzene | 5.10 | 78 | 432199 | 5.121 ug/L | | 100 |
| 34) Trichloroethene | 5.92 | 95 | 113243 | 5.023 ug/L | | 98 |
| 35) Methylcyclohexane | 6.14 | 83 | 170905 | 5.067 ug/L | | 98 |
| 37) 1,2-Dichloropropane | 6.18 | 63 | 109048 | 5.153 ug/L | | 100 |
| 38) Bromodichloromethane | 6.51 | 83 | 133550 | 5.116 ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 147527 | 5.079 ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 7.23 | 43 | 639481 | 53.508 ug/L | | 99 |
| 42) Toluene | 7.39 | 91 | 442535 | 5.163 ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 7.66 | 75 | 121211 | 5.095 ug/L | | 95 |
| 45) 1,1,2-Trichloroethane | 7.85 | 97 | 69892 | 5.107 ug/L | | 100 |
| 47) Tetrachloroethene | 7.98 | 164 | 74926 | 4.892 ug/L | | 97 |
| 48) 2-Hexanone | 8.15 | 43 | 446750 | 53.931 ug/L | | 100 |
| 49) Dibromochloromethane | 8.25 | 129 | 75780 | 5.119 ug/L | | 98 |
| 50) 1,2-Dibromoethane | 8.36 | 107 | 63669 | 5.122 ug/L | # | 98 |
| 51) Chlorobenzene | 8.89 | 112 | 274299 | 5.060 ug/L | | 99 |
| 52) Ethylbenzene | 9.02 | 91 | 485545 | 5.112 ug/L | | 100 |
| 53) m,p-xylene | 9.14 | 106 | 175128 | 5.045 ug/L | | 99 |
| 54) o-xylene | 9.55 | 106 | 171642 | 5.158 ug/L | | 98 |
| 55) Styrene | 9.57 | 104 | 295532 | 5.255 ug/L | | 100 |
| 57) 1,1,2,2-Tetrachloroethane | 10.25 | 83 | 75481 | 5.210 ug/L | | 99 |
| 59) Bromoform | 9.74 | 173 | 33726 | 4.972 ug/L | | 96 |
| 60) Isopropylbenzene | 9.94 | 105 | 464046 | 5.099 ug/L | | 100 |
| 61) 1,2,3-Trichloropropane | 10.28 | 75 | 61576 | 5.094 ug/L | | 98 |
| 62) 1,3,5-Trimethylbenzene | 10.55 | 105 | 384381 | 5.108 ug/L | | 100 |
| 63) 1,2,4-Trimethylbenzene | 10.92 | 105 | 395963 | 5.166 ug/L | | 99 |
| 64) 1,3-Dichlorobenzene | 11.19 | 146 | 202945 | 5.078 ug/L | | 97 |
| 65) 1,4-Dichlorobenzene | 11.28 | 146 | 203217 | 5.069 ug/L | | 97 |
| 67) 1,2-Dichlorobenzene | 11.65 | 146 | 183599 | 4.996 ug/L | | 98 |
| 68) 1,2-Dibromo-3-chloropropan | 12.44 | 75 | 11543 | 4.631 ug/L | | 99 |
| 69) 1,3,5-Trichlorobenzene | 12.65 | 180 | 147425 | 4.977 ug/L | | 99 |
| 70) 1,2,4-trichlorobenzene | 13.27 | 180 | 120945 | 5.022 ug/L | | 99 |
| 71) Naphthalene | 13.51 | 128 | 186478 | 5.118 ug/L | | 100 |
| 72) 1,2,3-Trichlorobenzene | 13.75 | 180 | 105631 | 5.153 ug/L | | 97 |

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

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