Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU093020\
Data File : VU040410.D
Acq On : 30 Sep 2020 19:54
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00527

Quant Time: Oct 01 03:09:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 03:05:40 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 127352 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 128514 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 67780 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 27409 | 4.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 87.00% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 26484 | 4.80 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 96.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 74317 | 4.90 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 98.00% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 160535 | 51.26 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 102.52% | | | |
| 24) Chloroform-d | 5.08 | 84 | 73795 | 4.92 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 98.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 45285 | 4.95 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 99.00% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 124122 | 4.81 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 96.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 45518 | 4.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 96.40% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 109818 | 4.89 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.80% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 17719 | 4.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 91.80% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 117000 | 51.57 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 103.14% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 45744 | 4.98 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 99.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 48678 | 4.74 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 94.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 70498 | 5.520 | ug/L | 99 |
| 3) Chloromethane | 1.53 | 50 | 64644 | 5.161 | ug/L | 99 |
| 5) Vinyl chloride | 1.61 | 62 | 66286 | 5.385 | ug/L | 100 |
| 6) Bromomethane | 1.87 | 94 | 29533 | 4.933 | ug/L | 97 |
| 8) Chloroethane | 1.94 | 64 | 41789 | 5.728 | ug/L | 100 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 93359 | 5.498 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 58762 | 5.419 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 53800 | 5.547 | ug/L | 99 |
| 13) Acetone | 2.66 | 43 | 139133 | 53.313 | ug/L | 94 |
| 14) Carbon disulfide | 2.81 | 76 | 164058 | 5.352 | ug/L | 99 |
| 15) Methyl Acetate | 2.97 | 43 | 33084 | 5.264 | ug/L | 98 |
| 16) Methylene chloride | 3.06 | 84 | 66314 | 5.443 | ug/L | 92 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 144878 | 5.422 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 56233 | 5.607 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 114853 | 5.580 | ug/L | 98 |
| 21) 2-Butanone | 4.74 | 43 | 231976 | 55.379 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 4.69 | 96 | 59974 | 5.406 | ug/L | 99 |

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Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
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**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00527

Quant Time: Oct 01 03:09:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 03:05:40 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 5.00 | 128 | 28270 | 5.566 | ug/L | 99 |
| 25) Chloroform | 5.11 | 83 | 118822 | 5.659 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 83077 | 5.715 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 95674 | 5.450 | ug/L | 98 |
| 30) Cyclohexane | 5.41 | 56 | 98281 | 5.412 | ug/L | 100 |
| 31) Carbon tetrachloride | 5.54 | 117 | 82189 | 5.460 | ug/L | 100 |
| 33) Benzene | 5.79 | 78 | 241366 | 5.602 | ug/L | 100 |
| 34) Trichloroethene | 6.56 | 95 | 62731 | 5.484 | ug/L | 96 |
| 35) Methylcyclohexane | 6.77 | 83 | 90295 | 5.382 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 66968 | 5.581 | ug/L | 99 |
| 38) Bromodichloromethane | 7.11 | 83 | 84166 | 5.681 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.62 | 75 | 86310 | 5.363 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 532881 | 56.710 | ug/L | 100 |
| 42) Toluene | 7.98 | 91 | 253217 | 5.731 | ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 8.22 | 75 | 82367 | 5.551 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 8.40 | 97 | 47657 | 5.666 | ug/L | 97 |
| 47) Tetrachloroethene | 8.56 | 164 | 44662 | 5.499 | ug/L | 99 |
| 48) 2-Hexanone | 8.69 | 43 | 400326 | 57.816 | ug/L | 99 |
| 49) Dibromochloromethane | 8.82 | 129 | 56279 | 5.752 | ug/L | 93 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 44665 | 5.536 | ug/L | 93 |
| 51) Chlorobenzene | 9.45 | 112 | 156222 | 5.469 | ug/L | 99 |
| 52) Ethylbenzene | 9.57 | 91 | 269947 | 5.631 | ug/L | 99 |
| 53) m,p-Xylene | 9.69 | 106 | 101474 | 5.681 | ug/L | 97 |
| 54) o-Xylene | 10.10 | 106 | 95838 | 5.704 | ug/L | 97 |
| 55) Styrene | 10.11 | 104 | 172288 | 5.879 | ug/L | 99 |
| 56) Isopropylbenzene | 10.48 | 105 | 259300 | 5.719 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 62329 | 5.467 | ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 47182 | 5.425 | ug/L | 99 |
| 61) Bromoform | 10.29 | 173 | 30304 | 5.410 | ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 126136 | 5.621 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 126731 | 5.430 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 12.20 | 146 | 120186 | 5.509 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 10492 | 5.336 | ug/L | 91 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 85826 | 5.358 | ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 68917 | 5.354 | ug/L | 99 |
| 69) Naphthalene | 14.08 | 128 | 117012 | 5.319 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 64157 | 5.447 | ug/L | 99 |

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

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