Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122220\
Data File : VU041768.D
Acq On : 23 Dec 2020 02:00
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00526

Quant Time: Dec 23 05:12:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 05:08:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 135267 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 129107 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 65405 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 42171 | 3.99 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 79.80% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 41878 | 5.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 102.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 86234 | 4.43 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 88.60% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 144829 | 47.68 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 95.36% | | | |
| 24) Chloroform-d | 5.08 | 84 | 86594 | 4.78 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 47577 | 4.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 92.60% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 159095 | 4.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 86.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 50396 | 4.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 87.00% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 142541 | 4.27 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 85.40% | | | |
| 43) trans-1,3-Dichloropropene- | 8.18 | 79 | 21799 | 4.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 83.60% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 133283 | 46.78 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 93.56% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 49763 | 4.73 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 94.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 52079 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 89.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 56308 | 4.914 | ug/L | 99 |
| 3) Chloromethane | 1.52 | 50 | 51108 | 4.590 | ug/L | 97 |
| 5) Vinyl chloride | 1.61 | 62 | 63600 | 5.173 | ug/L | 98 |
| 6) Bromomethane | 1.86 | 94 | 44103 | 5.738 | ug/L | 98 |
| 8) Chloroethane | 1.94 | 64 | 41906 | 5.018 | ug/L | 96 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 93841 | 6.031 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 50377 | 5.414 | ug/L | 96 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 50746 | 5.530 | ug/L | 88 |
| 13) Acetone | 2.67 | 43 | 85311 | 44.152 | ug/L | 94 |
| 14) Carbon disulfide | 2.81 | 76 | 141285 | 4.455 | ug/L | 99 |
| 15) Methyl Acetate | 2.97 | 43 | 21936 | 4.367 | ug/L | 93 |
| 16) Methylene chloride | 3.06 | 84 | 54768 | 4.997 | ug/L | 92 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 128718 | 5.257 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 50241 | 5.293 | ug/L | 93 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 88518 | 4.990 | ug/L | 98 |
| 21) 2-Butanone | 4.75 | 43 | 153157 | 48.664 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 4.68 | 96 | 53638 | 5.113 | ug/L | 95 |

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Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00526

Quant Time: Dec 23 05:12:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 23 05:08:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 27965 | 5.803 ug/L | 87 |
| 25) Chloroform | 5.11 | 83 | 95849 | 5.366 ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 63049 | 5.212 ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 79718 | 5.377 ug/L | 96 |
| 30) Cyclohexane | 5.40 | 56 | 66749 | 4.017 ug/L | 91 |
| 31) Carbon tetrachloride | 5.54 | 117 | 68982 | 5.381 ug/L | 98 |
| 33) Benzene | 5.79 | 78 | 204522 | 4.953 ug/L | 100 |
| 34) Trichloroethene | 6.55 | 95 | 51578 | 4.971 ug/L | 90 |
| 35) Methylcyclohexane | 6.77 | 83 | 69596 | 4.149 ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 52777 | 4.997 ug/L | 99 |
| 38) Bromodichloromethane | 7.11 | 83 | 68251 | 5.194 ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.61 | 75 | 74294 | 4.747 ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 363864 | 48.417 ug/L # | 96 |
| 42) Toluene | 7.97 | 91 | 217954 | 5.113 ug/L | 98 |
| 44) trans-1,3-Dichloropropene | 8.21 | 75 | 68359 | 4.885 ug/L | 100 |
| 45) 1,1,2-Trichloroethane | 8.40 | 97 | 45512 | 5.827 ug/L | 95 |
| 47) Tetrachloroethene | 8.56 | 164 | 39083 | 5.381 ug/L | 94 |
| 48) 2-Hexanone | 8.69 | 43 | 270432 | 49.445 ug/L # | 97 |
| 49) Dibromochloromethane | 8.81 | 129 | 51527 | 5.743 ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 42444 | 5.494 ug/L | 99 |
| 51) Chlorobenzene | 9.45 | 112 | 135882 | 5.128 ug/L | 96 |
| 52) Ethylbenzene | 9.57 | 91 | 215771 | 4.753 ug/L | 97 |
| 53) m,p-Xylene | 9.69 | 106 | 84501 | 4.991 ug/L | 97 |
| 54) o-Xylene | 10.10 | 106 | 83123 | 5.013 ug/L | 95 |
| 55) Styrene | 10.11 | 104 | 139927 | 4.885 ug/L | 97 |
| 56) Isopropylbenzene | 10.48 | 105 | 213263 | 4.832 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 56441 | 5.193 ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 41987 | 5.293 ug/L | 99 |
| 61) Bromoform | 10.29 | 173 | 30872 | 6.244 ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 104325 | 5.215 ug/L | 95 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 103797 | 5.161 ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 12.20 | 146 | 103620 | 5.290 ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 9696 | 5.278 ug/L | 93 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 73543 | 4.843 ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 56915 | 4.467 ug/L | 100 |
| 69) Naphthalene | 14.07 | 128 | 104558 | 3.964 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 56023 | 4.613 ug/L | 97 |

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

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