Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041319\
Data File : VV010331.D
Acq On : 13 Apr 2019 21:18
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00543

Quant Time: Apr 14 01:15:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR041319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 13 14:26:57 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 144771 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 146729 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 76674 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 32408 | 4.20 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 84.00% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 43832 | 5.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 103.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.14 | 63 | 99057 | 4.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 92.20% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 107847 | 54.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 109.74% | | | |
| 24) Chloroform-d | 4.40 | 84 | 84833 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 45142 | 5.03 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 100.60% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 152500 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 46751 | 4.37 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 87.40% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 145663 | 4.44 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 88.80% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 17232 | 5.04 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 100.80% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 84259 | 54.44 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 108.88% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 41062 | 5.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 100.00% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 62553 | 4.52 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 90.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 70831 | 4.888 | ug/L | 94 |
| 3) Chloromethane | 1.25 | 50 | 61961 | 5.087 | ug/L | 99 |
| 5) Vinyl chloride | 1.32 | 62 | 64392 | 4.884 | ug/L | 97 |
| 6) Bromomethane | 1.54 | 94 | 51851 | 5.237 | ug/L | 97 |
| 8) Chloroethane | 1.60 | 64 | 47962 | 5.344 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 130470 | 4.904 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 67338 | 4.799 | ug/L | 94 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 59331 | 5.025 | ug/L | 92 |
| 13) Acetone | 2.21 | 43 | 96100 | 58.082 | ug/L # | 57 |
| 14) Carbon disulfide | 2.32 | 76 | 156101 | 4.962 | ug/L | 98 |
| 15) Methyl Acetate | 2.47 | 43 | 23153 | 5.897 | ug/L | 97 |
| 16) Methylene chloride | 2.54 | 84 | 63226 | 4.839 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 150675 | 5.335 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 64366 | 4.955 | ug/L | 92 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 118497 | 5.249 | ug/L | 99 |
| 21) 2-Butanone | 4.05 | 43 | 111553 | 55.744 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 54573 | 5.060 | ug/L | 97 |

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ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00543

Quant Time: Apr 14 01:15:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR041319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 13 14:26:57 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 25645 | 5.242 ug/L | 90 |
| 25) Chloroform | 4.43 | 83 | 102296 | 5.064 ug/L | 96 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 58839 | 5.273 ug/L | 96 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 88219 | 4.998 ug/L | 98 |
| 30) Cyclohexane | 4.72 | 56 | 68510 | 4.620 ug/L | 95 |
| 31) Carbon tetrachloride | 4.87 | 117 | 81342 | 4.916 ug/L | 98 |
| 33) Benzene | 5.15 | 78 | 202111 | 4.911 ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 56891 | 4.786 ug/L | 99 |
| 35) Methylcyclohexane | 6.17 | 83 | 78569 | 4.512 ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 48842 | 5.158 ug/L | 99 |
| 38) Bromodichloromethane | 6.56 | 83 | 66683 | 5.269 ug/L | 95 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 61548 | 4.656 ug/L | 92 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 284941 | 55.320 ug/L | 96 |
| 42) Toluene | 7.43 | 91 | 229731 | 4.992 ug/L | 97 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 51658 | 5.075 ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 37251 | 4.954 ug/L | 95 |
| 47) Tetrachloroethene | 8.02 | 164 | 51625 | 4.918 ug/L | 91 |
| 48) 2-Hexanone | 8.19 | 43 | 200061 | 57.909 ug/L | 99 |
| 49) Dibromochloromethane | 8.29 | 129 | 47343 | 5.273 ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 35688 | 5.241 ug/L # | 86 |
| 51) Chlorobenzene | 8.93 | 112 | 151997 | 4.895 ug/L | 97 |
| 52) Ethylbenzene | 9.05 | 91 | 243051 | 4.922 ug/L | 100 |
| 53) m,p-xylene | 9.18 | 106 | 98171 | 5.055 ug/L | 95 |
| 54) o-xylene | 9.59 | 106 | 92645 | 4.966 ug/L | 91 |
| 55) Styrene | 9.60 | 104 | 159028 | 5.241 ug/L | 99 |
| 56) Isopropylbenzene | 9.98 | 105 | 249764 | 5.058 ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 44124 | 5.450 ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 30623 | 5.329 ug/L | 100 |
| 61) Bromoform | 9.78 | 173 | 24150 | 4.996 ug/L # | 96 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 120731 | 4.743 ug/L | 97 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 125742 | 4.873 ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 119572 | 4.991 ug/L | 97 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 5591 | 4.998 ug/L # | 79 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 93699 | 4.794 ug/L | 97 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 68019 | 4.903 ug/L | 96 |
| 69) Naphthalene | 13.56 | 128 | 82400 | 5.134 ug/L | 98 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 68294 | 5.394 ug/L | 96 |

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

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