Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061219\
Data File : VV011496.D
Acq On : 14 Jun 2019 09:06
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00553

Quant Time: Jun 14 09:31:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 09:13:02 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 114547 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 105482 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 43554 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 41017 | 4.73 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 94.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 36773 | 5.10 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 102.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 90167 | 5.20 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 104.00% | | | |
| 20) 2-Butanone-d5 | 3.98 | 46 | 123913 | 63.41 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 126.82% | | | |
| 24) Chloroform-d | 4.40 | 84 | 91470 | 5.99 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 119.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 51341 | 6.22 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 124.40% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 166954 | 5.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 105.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 52960 | 5.45 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 109.00% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 150029 | 5.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 103.60% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 16020 | 4.32 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 86.40% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 98722 | 63.07 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 126.14% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 39966 | 6.03 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 120.60%# | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 46523 | 5.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 108.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 49969 | 4.423 | ug/L | 100 |
| 3) Chloromethane | 1.25 | 50 | 60443 | 5.534 | ug/L | 98 |
| 5) Vinyl chloride | 1.32 | 62 | 53634 | 5.089 | ug/L | 96 |
| 6) Bromomethane | 1.53 | 94 | 23241 | 4.239 | ug/L | 92 |
| 8) Chloroethane | 1.60 | 64 | 37225 | 5.527 | ug/L | 95 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 76941 | 5.318 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 36426 | 4.906 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 37694 | 5.223 | ug/L | 98 |
| 13) Acetone | 2.24 | 43 | 91042 | 69.488 | ug/L | 90 |
| 14) Carbon disulfide | 2.31 | 76 | 88704 | 4.052 | ug/L | 100 |
| 15) Methyl Acetate | 2.48 | 43 | 22338 | 6.419 | ug/L | 93 |
| 16) Methylene chloride | 2.53 | 84 | 45045 | 6.058 | ug/L | 96 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 110196 | 5.720 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 41995 | 5.197 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 91425 | 5.736 | ug/L | 99 |
| 21) 2-Butanone | 4.06 | 43 | 127968 | 63.423 | ug/L | 95 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 46713 | 5.220 | ug/L | 99 |

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Data File : VV011496.D
Acq On : 14 Jun 2019 09:06
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00553

Quant Time: Jun 14 09:31:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 09:13:02 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 19037 | 5.549 ug/L | 87 |
| 25) Chloroform | 4.42 | 83 | 91810 | 5.577 ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 62603 | 6.223 ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 66960 | 4.977 ug/L | 97 |
| 30) Cyclohexane | 4.72 | 56 | 58260 | 3.906 ug/L | 98 |
| 31) Carbon tetrachloride | 4.87 | 117 | 50624 | 4.502 ug/L | 98 |
| 33) Benzene | 5.14 | 78 | 186621 | 5.560 ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 44253 | 5.104 ug/L | 99 |
| 35) Methylcyclohexane | 6.17 | 83 | 54509 | 3.801 ug/L | 97 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 46833 | 5.606 ug/L | 99 |
| 38) Bromodichloromethane | 6.55 | 83 | 54397 | 5.267 ug/L | 96 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 55367 | 4.530 ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 327965 | 61.650 ug/L | 97 |
| 42) Toluene | 7.43 | 91 | 187673 | 5.246 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 42373 | 4.560 ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 32640 | 6.104 ug/L | 98 |
| 47) Tetrachloroethene | 8.02 | 164 | 29563 | 4.718 ug/L | 97 |
| 48) 2-Hexanone | 8.19 | 43 | 229914 | 61.968 ug/L | 96 |
| 49) Dibromochloromethane | 8.29 | 129 | 31083 | 5.117 ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 29234 | 5.751 ug/L | 99 |
| 51) Chlorobenzene | 8.92 | 112 | 113775 | 5.215 ug/L | 98 |
| 52) Ethylbenzene | 9.05 | 91 | 188232 | 4.738 ug/L | 98 |
| 53) m,p-xylene | 9.18 | 106 | 69178 | 4.709 ug/L | 98 |
| 54) o-xylene | 9.59 | 106 | 72544 | 5.031 ug/L | 98 |
| 55) Styrene | 9.60 | 104 | 117657 | 5.010 ug/L | 97 |
| 56) Isopropylbenzene | 9.97 | 105 | 173097 | 4.461 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 38276 | 5.904 ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 27748 | 5.695 ug/L | 99 |
| 61) Bromoform | 9.78 | 173 | 13508 | 5.163 ug/L | 97 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 71918 | 4.994 ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 71334 | 5.102 ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 73371 | 5.512 ug/L | 98 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 4913 | 5.150 ug/L | 88 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 48145 | 4.647 ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 35010 | 4.451 ug/L | 95 |
| 69) Naphthalene | 13.55 | 128 | 58988 | 4.581 ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 34201 | 4.849 ug/L | 98 |

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

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Acq On : 14 Jun 2019 09:06
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00553

Quant Time: Jun 14 09:31:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 09:13:02 2019
Response via : Initial Calibration