Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV113018\
Data File : VV008821.D
Acq On : 30 Nov 2018 18:56
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00573

Quant Time: Dec 01 03:55:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 01 03:50:55 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 149052 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 136948 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 66373 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 48057 | 4.66 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 93.20% | | | |
| 7) Chloroethane-d5 | 1.59 | 69 | 33043 | 4.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 90.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.14 | 63 | 88094 | 4.97 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 99.40% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 120826 | 52.31 | ug/L | -0.01 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 104.62% | | | |
| 24) Chloroform-d | 4.41 | 84 | 107177 | 5.26 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 105.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 52081 | 5.33 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 106.60% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 219047 | 5.24 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 104.80% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 63609 | 5.06 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 101.20% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 203539 | 5.27 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 105.40% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 22799 | 5.41 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 108.20% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 97204 | 55.44 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 110.88% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 42427 | 5.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 106.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 75177 | 5.50 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 110.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 64054 | 4.857 | ug/L | 97 |
| 3) Chloromethane | 1.25 | 50 | 46148 | 4.673 | ug/L | 99 |
| 5) Vinyl chloride | 1.32 | 62 | 48335 | 4.920 | ug/L | 99 |
| 6) Bromomethane | 1.54 | 94 | 21702 | 3.521 | ug/L | 97 |
| 8) Chloroethane | 1.60 | 64 | 24151 | 4.294 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 77737 | 5.298 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 41566 | 4.951 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 35723 | 4.873 | ug/L | 97 |
| 13) Acetone | 2.21 | 43 | 52910 | 45.966 | ug/L | 99 |
| 14) Carbon disulfide | 2.32 | 76 | 101014 | 4.748 | ug/L | 99 |
| 15) Methyl Acetate | 2.47 | 43 | 13503 | 4.383 | ug/L | 97 |
| 16) Methylene chloride | 2.54 | 84 | 37239 | 4.505 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 87673 | 4.857 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 39499 | 4.903 | ug/L | 94 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 89617 | 5.006 | ug/L | 100 |
| 21) 2-Butanone | 4.05 | 43 | 107172 | 46.447 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 55438 | 4.898 | ug/L | 94 |

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**ClientSampleId :** VSTD00573

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 01 03:50:55 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.31 | 128 | 23402 | 5.040 ug/L | 98 |
| 25) Chloroform | 4.43 | 83 | 93364 | 4.798 ug/L | 96 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 54136 | 4.842 ug/L | 97 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 81071 | 5.072 ug/L | 99 |
| 30) Cyclohexane | 4.72 | 56 | 79517 | 4.724 ug/L | 98 |
| 31) Carbon tetrachloride | 4.88 | 117 | 69595 | 5.030 ug/L | 98 |
| 33) Benzene | 5.15 | 78 | 204241 | 4.973 ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 55576 | 4.867 ug/L | 97 |
| 35) Methylcyclohexane | 6.18 | 83 | 85768 | 4.737 ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 47942 | 4.696 ug/L | 99 |
| 38) Bromodichloromethane | 6.56 | 83 | 57019 | 4.891 ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 64827 | 4.835 ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 254090 | 48.091 ug/L | 98 |
| 42) Toluene | 7.43 | 91 | 218639 | 5.086 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 50760 | 4.803 ug/L | 95 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 33390 | 4.930 ug/L | 98 |
| 47) Tetrachloroethene | 8.02 | 164 | 45540 | 5.157 ug/L | 99 |
| 48) 2-Hexanone | 8.19 | 43 | 178147 | 48.028 ug/L | 98 |
| 49) Dibromochloromethane | 8.29 | 129 | 36993 | 5.016 ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 32367 | 5.091 ug/L | 99 |
| 51) Chlorobenzene | 8.93 | 112 | 141048 | 4.985 ug/L | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 234361 | 5.039 ug/L | 100 |
| 53) m,p-xylene | 9.18 | 106 | 88005 | 5.045 ug/L | 100 |
| 54) o-xylene | 9.59 | 106 | 86999 | 5.170 ug/L | 96 |
| 55) Styrene | 9.60 | 104 | 146563 | 5.238 ug/L | 99 |
| 56) Isopropylbenzene | 9.98 | 105 | 231718 | 5.055 ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 37119 | 5.139 ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 28259 | 4.824 ug/L | 99 |
| 61) Bromoform | 9.78 | 173 | 18400 | 5.113 ug/L | 97 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 108460 | 4.965 ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 109530 | 5.068 ug/L | 96 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 103168 | 5.006 ug/L | 98 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 4949 | 4.876 ug/L | 92 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 82714 | 5.159 ug/L | 100 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 61356 | 5.188 ug/L | 97 |
| 69) Naphthalene | 13.56 | 128 | 83932 | 4.853 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 58456 | 5.298 ug/L | 97 |

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

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