Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062218\
Data File : VV006405.D
Acq On : 22 Jun 2018 10:20
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00578

Quant Time: Jun 22 23:45:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 22 05:38:08 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 352545 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 324057 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 158782 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 99153 | 5.15 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 103.00% | | | |
| 7) Chloroethane-d5 | 1.59 | 69 | 84939 | 5.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 110.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.14 | 63 | 188385 | 5.03 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 100.60% | | | |
| 20) 2-Butanone-d5 | 3.97 | 46 | 216061 | 52.85 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 105.70% | | | |
| 24) Chloroform-d | 4.41 | 84 | 179573 | 4.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 96.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 84718 | 4.70 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.00% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 370498 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 111387 | 4.76 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 95.20% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 347184 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.60% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 39590 | 3.78 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 75.60% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 186392 | 41.21 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 82.42% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 71773 | 4.23 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 84.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 129099 | 4.69 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 93.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 140038 | 5.22 | ug/L | 100 |
| 3) Chloromethane | 1.26 | 50 | 134633 | 6.00 | ug/L | 100 |
| 5) Vinyl chloride | 1.32 | 62 | 147877 | 5.44 | ug/L | 99 |
| 6) Bromomethane | 1.54 | 94 | 84233 | 5.83 | ug/L | 96 |
| 8) Chloroethane | 1.60 | 64 | 91213 | 6.00 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 185696 | 5.26 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 118417 | 5.44 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 108251 | 5.35 | ug/L | 97 |
| 13) Acetone | 2.23 | 43 | 145233 | 65.56 | ug/L | 94 |
| 14) Carbon disulfide | 2.32 | 76 | 295212 | 4.36 | ug/L | 100 |
| 15) Methyl Acetate | 2.47 | 43 | 40590 | 6.16 | ug/L | 99 |
| 16) Methylene chloride | 2.54 | 84 | 118570 | 5.31 | ug/L | 100 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 255315 | 5.10 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 118159 | 5.35 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 208313 | 5.61 | ug/L | 99 |
| 21) 2-Butanone | 4.06 | 43 | 244464 | 60.65 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 127998 | 5.36 | ug/L # | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062218\
Data File : VV006405.D
Acq On : 22 Jun 2018 10:20
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00578

Quant Time: Jun 22 23:45:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 22 05:38:08 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 51678 | 5.39 | ug/L | 96 |
| 25) Chloroform | 4.43 | 83 | 210101 | 5.48 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 117851 | 5.35 | ug/L | 100 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 175686 | 4.91 | ug/L | 99 |
| 30) Cyclohexane | 4.73 | 56 | 183654 | 4.99 | ug/L | 98 |
| 31) Carbon tetrachloride | 4.88 | 117 | 148323 | 4.70 | ug/L | 100 |
| 33) Benzene | 5.15 | 78 | 481007 | 5.38 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 133351 | 5.47 | ug/L | 98 |
| 35) Methylcyclohexane | 6.18 | 83 | 215156 | 5.13 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 114935 | 5.37 | ug/L | 100 |
| 38) Bromodichloromethane | 6.56 | 83 | 130013 | 4.56 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.08 | 75 | 160224 | 4.59 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 564036 | 50.95 | ug/L | 99 |
| 42) Toluene | 7.43 | 91 | 513781 | 5.21 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 126416 | 4.47 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 80068 | 5.29 | ug/L | 99 |
| 47) Tetrachloroethene | 8.02 | 164 | 106712 | 5.47 | ug/L | 99 |
| 48) 2-Hexanone | 8.19 | 43 | 408171 | 52.46 | ug/L | 98 |
| 49) Dibromochloromethane | 8.30 | 129 | 83852 | 4.40 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 72674 | 5.15 | ug/L | 100 |
| 51) Chlorobenzene | 8.93 | 112 | 334280 | 5.28 | ug/L | 100 |
| 52) Ethylbenzene | 9.06 | 91 | 565178 | 5.14 | ug/L | 99 |
| 53) m,p-xylene | 9.19 | 106 | 218728 | 5.10 | ug/L | 97 |
| 54) o-xylene | 9.59 | 106 | 212320 | 5.07 | ug/L | 98 |
| 55) Styrene | 9.61 | 104 | 355974 | 5.16 | ug/L | 97 |
| 56) Isopropylbenzene | 9.98 | 105 | 565499 | 5.12 | ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 73248 | 4.22 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 62880 | 5.21 | ug/L | 100 |
| 61) Bromoform | 9.78 | 173 | 40829 | 3.79 | ug/L | 100 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 257776 | 5.15 | ug/L | 100 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 259210 | 5.24 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.70 | 146 | 242464 | 5.25 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 9776 | 3.22 | ug/L | 97 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 206281 | 5.36 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.32 | 180 | 156073 | 5.24 | ug/L | 99 |
| 69) Naphthalene | 13.56 | 128 | 224419 | 4.48 | ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 141370 | 5.17 | ug/L | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062218\
Data File : VV006405.D
Acq On : 22 Jun 2018 10:20
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00578

Quant Time: Jun 22 23:45:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 22 05:38:08 2018
Response via : Initial Calibration