Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV063020\
Data File : VV017255.D
Acq On : 30 Jun 2020 12:49
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00540

Quant Time: Jul 01 05:57:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 01 01:37:01 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 174955 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 167088 | 5.00 | ug/L | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 89010 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 44079 | 4.20 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 84.00% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 36843 | 4.83 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 96.60% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 89437 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 89.60% | | | |
| 20) 2-Butanone-d5 | 3.95 | 46 | 121099 | 45.25 | ug/L | -0.01 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 90.50% | | | |
| 24) Chloroform-d | 4.37 | 84 | 116017 | 5.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 103.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 60095 | 5.05 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 101.00% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 200727 | 4.63 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 92.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 59000 | 4.55 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 91.00% | | | |
| 41) Toluene-d8 | 7.33 | 98 | 189664 | 4.66 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.20% | | | |
| 45) trans-1,3-Dichloropropene- | 7.64 | 79 | 26639 | 4.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 98.60% | | | |
| 48) 2-Hexanone-d5 | 8.11 | 63 | 92184 | 44.76 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 89.52% | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 42711 | 4.95 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 99.00% | | | |
| 65) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 75395 | 4.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 91.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 65448 | 4.686 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 50398 | 4.258 | ug/L | 99 |
| 5) Vinyl chloride | 1.32 | 62 | 51292 | 4.468 | ug/L | 98 |
| 6) Bromomethane | 1.53 | 94 | 33276 | 4.973 | ug/L | 95 |
| 8) Chloroethane | 1.60 | 64 | 30052 | 4.737 | ug/L | 97 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 95256 | 5.124 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 45377 | 4.897 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 40208 | 4.789 | ug/L | 93 |
| 13) Acetone | 2.24 | 43 | 60782 | 44.930 | ug/L | 65 |
| 14) Carbon disulfide | 2.31 | 76 | 116179 | 4.618 | ug/L | 100 |
| 15) Methyl Acetate | 2.46 | 43 | 12923 | 3.907 | ug/L | 97 |
| 16) Methylene chloride | 2.52 | 84 | 43036 | 4.786 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 2.79 | 73 | 104934 | 4.977 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 44053 | 4.951 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.21 | 63 | 94110 | 4.707 | ug/L | 98 |
| 21) 2-Butanone | 4.04 | 43 | 106153 | 41.626 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 3.94 | 96 | 56041 | 4.606 | ug/L # | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV063020\
Data File : VV017255.D
Acq On : 30 Jun 2020 12:49
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00540

Quant Time: Jul 01 05:57:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 01 01:37:01 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.28 | 128 | 24697 | 4.776 ug/L | 91 |
| 25) Chloroform | 4.40 | 83 | 105029 | 4.810 ug/L | 96 |
| 27) 1,2-Dichloroethane | 5.16 | 62 | 68132 | 5.022 ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 4.63 | 97 | 101505 | 5.071 ug/L | 97 |
| 30) Cyclohexane | 4.70 | 56 | 84090 | 4.414 ug/L | 96 |
| 31) Carbon tetrachloride | 4.85 | 117 | 90653 | 5.019 ug/L | 98 |
| 33) Benzene | 5.12 | 78 | 210992 | 4.822 ug/L | 100 |
| 34) Trichloroethene | 5.94 | 95 | 56851 | 4.437 ug/L | 94 |
| 35) Methylcyclohexane | 6.15 | 83 | 94340 | 4.736 ug/L | 97 |
| 37) 1,2-Dichloropropane | 6.20 | 63 | 49057 | 4.529 ug/L | 99 |
| 38) Bromodichloromethane | 6.53 | 83 | 70010 | 4.758 ug/L | 96 |
| 39) cis-1,3-Dichloropropene | 7.05 | 75 | 77734 | 4.830 ug/L | 100 |
| 40) 4-Methyl-2-pentanone | 7.25 | 43 | 283063 | 45.260 ug/L | 99 |
| 42) Toluene | 7.41 | 91 | 234725 | 4.614 ug/L | 96 |
| 43) 1,3,5-Trimethylbenzene | 10.56 | 105 | 228182 | 5.016 ug/L | 100 |
| 44) 1,2,4-Trimethylbenzene | 10.94 | 105 | 234788 | 5.068 ug/L | 99 |
| 46) trans-1,3-Dichloropropene | 7.67 | 75 | 67370 | 4.839 ug/L | 99 |
| 47) 1,1,2-Trichloroethane | 7.86 | 97 | 36228 | 4.715 ug/L | 97 |
| 49) Tetrachloroethene | 7.99 | 164 | 50608 | 4.907 ug/L | 97 |
| 50) 2-Hexanone | 8.16 | 43 | 205455 | 46.162 ug/L | 100 |
| 51) Dibromochloromethane | 8.27 | 129 | 48425 | 5.200 ug/L | 97 |
| 52) 1,2-Dibromoethane | 8.37 | 107 | 33740 | 4.631 ug/L | 94 |
| 53) Chlorobenzene | 8.90 | 112 | 149524 | 4.715 ug/L | 97 |
| 54) Ethylbenzene | 9.03 | 91 | 263203 | 4.847 ug/L | 97 |
| 55) m,p-xylene | 9.16 | 106 | 102101 | 4.794 ug/L | 98 |
| 56) o-xylene | 9.56 | 106 | 97999 | 4.931 ug/L | 96 |
| 57) Styrene | 9.58 | 104 | 164704 | 5.001 ug/L | 98 |
| 58) Isopropylbenzene | 9.95 | 105 | 271350 | 4.961 ug/L | 99 |
| 60) 1,1,2,2-Tetrachloroethane | 10.26 | 83 | 40478 | 5.094 ug/L | 95 |
| 62) Bromoform | 9.75 | 173 | 25901 | 5.439 ug/L | 97 |
| 63) 1,3-Dichlorobenzene | 11.20 | 146 | 131677 | 4.914 ug/L | 99 |
| 64) 1,4-Dichlorobenzene | 11.29 | 146 | 131203 | 4.817 ug/L | 98 |
| 66) 1,2-Dichlorobenzene | 11.67 | 146 | 119266 | 4.904 ug/L | 96 |
| 67) 1,2-Dibromo-3-chloropropan | 12.45 | 75 | 6981 | 5.190 ug/L | 94 |
| 68) 1,3,5-Trichlorobenzene | 12.67 | 180 | 103401 | 4.803 ug/L | 98 |
| 69) 1,2,4-trichlorobenzene | 13.29 | 180 | 84263 | 4.754 ug/L | 99 |
| 70) Naphthalene | 13.53 | 128 | 124230 | 4.964 ug/L | 100 |
| 71) 1,2,3-Trichlorobenzene | 13.77 | 180 | 73661 | 5.096 ug/L | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV063020\
Data File : VV017255.D
Acq On : 30 Jun 2020 12:49
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00540

Quant Time: Jul 01 05:57:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 01 01:37:01 2020
Response via : Initial Calibration