Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072320\
Data File : VV017604.D
Acq On : 23 Jul 2020 14:55
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VICV35

**Manual Integrations APPROVED**
sam
7/24/2020 7:04:23 PM

Quant Time: Jul 24 01:52:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 24 01:49:19 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.64 | 114 | 198106 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.87 | 117 | 188219 | 5.00 | ug/L | 0.00 |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152 | 104809 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.31 | 65 | 46778 | 4.95 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 99.00% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 36601 | 5.06 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 101.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.12 | 63 | 104678 | 4.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 98.80% | | | |
| 20) 2-Butanone-d5 | 3.95 | 46 | 113172 | 50.01 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 100.02% | | | |
| 24) Chloroform-d | 4.38 | 84 | 115847 | 5.06 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 101.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.06 | 65 | 57490 | 4.87 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.40% | | | |
| 32) Benzene-d6 | 5.07 | 84 | 208515 | 5.03 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 100.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.09 | 67 | 58612 | 5.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 101.60% | | | |
| 41) Toluene-d8 | 7.34 | 98 | 203622 | 5.12 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 102.40% | | | |
| 45) trans-1,3-Dichloropropene- | 7.64 | 79 | 25758 | 4.93 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 98.60% | | | |
| 48) 2-Hexanone-d5 | 8.11 | 63 | 88612 | 54.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 109.42% | | | |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24 | 84 | 41237 | 5.14 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 102.80% | | | |
| 65) 1,2-Dichlorobenzene-d4 | 11.65 | 152 | 78719 | 4.97 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 99.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 106395 | 4.901 | ug/L | 99 |
| 3) Chloromethane | 1.24 | 50 | 69440 | 4.917 | ug/L | 94 |
| 5) Vinyl chloride | 1.32 | 62 | 68810 | 4.862 | ug/L | 100 |
| 6) Bromomethane | 1.53 | 94 | 45520 | 5.004 | ug/L | 99 |
| 8) Chloroethane | 1.59 | 64 | 40606 | 4.970 | ug/L | 97 |
| 9) Trichlorofluoromethane | 1.76 | 101 | 126588 | 5.001 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 58564 | 4.954 | ug/L | 100 |
| 12) 1,1-Dichloroethene | 2.13 | 96 | 52663 | 4.937 | ug/L | 91 |
| 13) Acetone | 2.22 | 43 | 90545m | 51.111 | ug/L | |
| 14) Carbon disulfide | 2.31 | 76 | 156757 | 4.834 | ug/L | 98 |
| 15) Methyl Acetate | 2.46 | 43 | 17985 | 5.217 | ug/L | 91 |
| 16) Methylene chloride | 2.52 | 84 | 53716 | 4.525 | ug/L | 93 |
| 17) Methyl tert-butyl Ether | 2.79 | 73 | 135167 | 4.943 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.78 | 96 | 55604 | 4.784 | ug/L | 93 |
| 19) 1,1-Dichloroethane | 3.21 | 63 | 112885 | 4.618 | ug/L | 97 |
| 21) 2-Butanone | 4.04 | 43 | 151635 | 50.691 | ug/L | 96 |
| 22) cis-1,2-Dichloroethene | 3.94 | 96 | 73162 | 4.998 | ug/L # | 98 |

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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VICV35

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Quant Time: Jul 24 01:52:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 24 01:49:19 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.27 | 128 | 33697 | 4.995 ug/L | 88 |
| 25) Chloroform | 4.40 | 83 | 136983 | 4.993 ug/L | 94 |
| 27) 1,2-Dichloroethane | 5.16 | 62 | 85614 | 4.813 ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 4.63 | 97 | 134061 | 5.091 ug/L | 99 |
| 30) Cyclohexane | 4.70 | 56 | 104666 | 5.016 ug/L | 99 |
| 31) Carbon tetrachloride | 4.85 | 117 | 118448 | 5.057 ug/L | 99 |
| 33) Benzene | 5.12 | 78 | 269946 | 5.067 ug/L | 100 |
| 34) Trichloroethene | 5.94 | 95 | 75729 | 5.089 ug/L | 99 |
| 35) Methylcyclohexane | 6.15 | 83 | 115503 | 5.131 ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.20 | 63 | 63483 | 5.070 ug/L | 99 |
| 38) Bromodichloromethane | 6.53 | 83 | 95099 | 5.163 ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.05 | 75 | 100299 | 5.311 ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 7.25 | 43 | 363252 | 52.913 ug/L | 99 |
| 42) Toluene | 7.41 | 91 | 303361 | 5.220 ug/L | 98 |
| 43) 1,3,5-Trimethylbenzene | 10.56 | 105 | 293906 | 5.416 ug/L | 99 |
| 44) 1,2,4-Trimethylbenzene | 10.94 | 105 | 298116 | 5.377 ug/L | 99 |
| 46) trans-1,3-Dichloropropene | 7.67 | 75 | 88612 | 5.226 ug/L | 99 |
| 47) 1,1,2-Trichloroethane | 7.86 | 97 | 47368 | 4.988 ug/L | 93 |
| 49) Tetrachloroethene | 7.99 | 164 | 66541 | 5.072 ug/L | 99 |
| 50) 2-Hexanone | 8.16 | 43 | 262569 | 54.054 ug/L | 98 |
| 51) Dibromochloromethane | 8.27 | 129 | 64123 | 5.306 ug/L | 97 |
| 52) 1,2-Dibromoethane | 8.38 | 107 | 44385 | 4.953 ug/L | 96 |
| 53) Chlorobenzene | 8.90 | 112 | 197838 | 5.106 ug/L | 98 |
| 54) Ethylbenzene | 9.03 | 91 | 343391 | 5.277 ug/L | 99 |
| 55) m,p-xylene | 9.16 | 106 | 130387 | 5.320 ug/L | 91 |
| 56) o-xylene | 9.56 | 106 | 125798 | 5.290 ug/L | 96 |
| 57) Styrene | 9.58 | 104 | 214584 | 5.407 ug/L | 98 |
| 58) Isopropylbenzene | 9.95 | 105 | 347113 | 5.291 ug/L | 99 |
| 60) 1,1,2,2-Tetrachloroethane | 10.26 | 83 | 50464 | 4.877 ug/L | 99 |
| 62) Bromoform | 9.75 | 173 | 35113 | 5.235 ug/L | 99 |
| 63) 1,3-Dichlorobenzene | 11.20 | 146 | 171843 | 5.092 ug/L | 98 |
| 64) 1,4-Dichlorobenzene | 11.29 | 146 | 173086 | 5.111 ug/L | 98 |
| 66) 1,2-Dichlorobenzene | 11.67 | 146 | 157013 | 5.108 ug/L | 100 |
| 67) 1,2-Dibromo-3-chloropropan | 12.45 | 75 | 9950 | 5.176 ug/L | 93 |
| 68) 1,3,5-Trichlorobenzene | 12.67 | 180 | 141727 | 5.170 ug/L | 98 |
| 69) 1,2,4-trichlorobenzene | 13.28 | 180 | 117428 | 5.122 ug/L | 98 |
| 70) Naphthalene | 13.52 | 128 | 171708 | 5.371 ug/L | 98 |
| 71) 1,2,3-Trichlorobenzene | 13.77 | 180 | 106688 | 5.251 ug/L | 98 |

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

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