Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081720\
Data File : VN062968.D
Acq On : 17 Aug 2020 13:26
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** VSTDICC001

**Manual Integrations APPROVED**
MMDadoda
8/18/2020 11:12:44 AM

Quant Time: Aug 17 15:24:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 14:58:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.62 | 168 | 224088 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.55 | 114 | 336547 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.38 | 117 | 366055 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152 | 115975 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 0.00 | 65 | 0d | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| 35) Dibromofluoromethane | 0.00 | 113 | 0d | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| 50) Toluene-d8 | 0.00 | 98 | 0d | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| 62) 4-Bromofluorobenzene | 0.00 | 95 | 0d | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.83 | 85 | 1769 | 0.571 | ug/l | 98 |
| 3) Chloromethane | 2.04 | 50 | 2594 | 0.880 | ug/l # | 87 |
| 4) Vinyl Chloride | 2.16 | 62 | 3524 | 1.209 | ug/l | 97 |
| 6) Chloroethane | 2.67 | 64 | 2143 | 1.121 | ug/l | 95 |
| 7) Trichlorofluoromethane | 2.98 | 101 | 4642 | 0.935 | ug/l | 93 |
| 8) Diethyl Ether | 3.37 | 74 | 1368 | 0.970 | ug/l # | 52 |
| 9) 1,1,2-Trichlorotrifluoroet | 3.71 | 101 | 2220 | 1.001 | ug/l # | 84 |
| 12) 1,1-Dichloroethene | 3.70 | 96 | 2178 | 1.036 | ug/l | 96 |
| 14) Allyl chloride | 4.27 | 41 | 3057 | 0.807 | ug/l | 89 |
| 15) Acrylonitrile | 4.95 | 53 | 4212m | 3.112 | ug/l | |
| 16) Acetone | 3.78 | 43 | 4210 | 3.340 | ug/l | 92 |
| 17) Carbon Disulfide | 4.00 | 76 | 6601 | 1.066 | ug/l | 99 |
| 18) Methyl Acetate | 4.30 | 43 | 3875m | 1.141 | ug/l | |
| 19) Methyl tert-butyl Ether | 4.99 | 73 | 5690 | 0.687 | ug/l | 95 |
| 20) Methylene Chloride | 4.50 | 84 | 3298 | 1.228 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 4.99 | 96 | 2151 | 0.973 | ug/l | 88 |
| 22) Diisopropyl ether | 5.90 | 45 | 5544 | 0.691 | ug/l | 92 |
| 23) Vinyl Acetate | 5.85 | 43 | 20603 | 3.395 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 5.79 | 63 | 3648 | 0.771 | ug/l # | 83 |
| 25) 2-Butanone | 6.80 | 43 | 5960 | 3.356 | ug/l # | 82 |
| 26) 2,2-Dichloropropane | 6.78 | 77 | 3570m | 0.837 | ug/l | |
| 27) cis-1,2-Dichloroethene | 6.78 | 96 | 2473 | 0.937 | ug/l | 82 |
| 28) Bromochloromethane | 7.14 | 49 | 1467 | 0.641 | ug/l # | 99 |
| 29) Tetrahydrofuran | 7.17 | 42 | 3422 | 2.959 | ug/l # | 59 |
| 30) Chloroform | 7.32 | 83 | 4242 | 0.851 | ug/l | 93 |
| 32) 1,1,1-Trichloroethane | 7.53 | 97 | 3418 | 0.777 | ug/l # | 49 |
| 36) 1,1-Dichloropropene | 7.75 | 75 | 2814 | 0.882 | ug/l | 93 |
| 37) Ethyl Acetate | 6.89 | 43 | 2418 | 0.739 | ug/l # | 65 |
| 38) Carbon Tetrachloride | 7.72 | 117 | 3128 | 0.832 | ug/l | 94 |
| 39) Methylcyclohexane | 9.05 | 83 | 3908 | 0.995 | ug/l | 88 |
| 40) Benzene | 8.00 | 78 | 8972 | 0.926 | ug/l | 100 |
| 41) Methacrylonitrile | 7.13 | 41 | 1144 | 0.793 | ug/l # | 48 |
| 42) 1,2-Dichloroethane | 8.09 | 62 | 3083 | 0.779 | ug/l | 82 |
| 43) Isopropyl Acetate | 8.13 | 43 | 3464 | 0.636 | ug/l # | 85 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081720\
Data File : VN062968.D
Acq On : 17 Aug 2020 13:26
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
MMDadoda
8/18/2020 11:12:44 AM

Quant Time: Aug 17 15:24:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 14:58:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) Trichloroethene | 8.80 | 130 | 2608 | 1.087 ug/l | | 96 |
| 45) 1,2-Dichloropropane | 9.09 | 63 | 3011 | 1.158 ug/l | | 92 |
| 46) Dibromomethane | 9.17 | 93 | 1614 | 0.946 ug/l | | 97 |
| 47) Bromodichloromethane | 9.37 | 83 | 3098 | 0.822 ug/l | # | 92 |
| 48) Methyl methacrylate | 9.17 | 41 | 1840 | 0.689 ug/l | | 96 |
| 49) 1,4-Dioxane | 9.17 | 88 | 696 | 13.884 ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 9.95 | 43 | 11601 | 3.296 ug/l | | 90 |
| 52) Toluene | 10.12 | 92 | 5341 | 0.891 ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 10.35 | 75 | 3010 | 0.729 ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 9.81 | 75 | 3184 | 0.756 ug/l | # | 76 |
| 55) 1,1,2-Trichloroethane | 10.53 | 97 | 2330 | 0.908 ug/l | | 96 |
| 56) Ethyl methacrylate | 10.40 | 69 | 2607 | 0.693 ug/l | | 98 |
| 57) 1,3-Dichloropropane | 10.68 | 76 | 3503 | 0.817 ug/l | | 97 |
| 58) 2-Chloroethyl Vinyl ether | 9.66 | 63 | 3344 | 3.214 ug/l | | 90 |
| 59) 2-Hexanone | 10.72 | 43 | 7445 | 2.850 ug/l | | 90 |
| 60) Dibromochloromethane | 10.87 | 129 | 2512 | 0.865 ug/l | | 97 |
| 61) 1,2-Dibromoethane | 10.98 | 107 | 2463 | 0.974 ug/l | | 96 |
| 64) Tetrachloroethene | 10.60 | 164 | 2419 | 1.010 ug/l | | 91 |
| 65) Chlorobenzene | 11.41 | 112 | 7661 | 1.006 ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.48 | 131 | 2959 | 0.975 ug/l | # | 65 |
| 67) Ethyl Benzene | 11.48 | 91 | 12203 | 0.908 ug/l | | 96 |
| 68) m/p-Xylenes | 11.60 | 106 | 8117 | 1.647 ug/l | | 93 |
| 69) o-Xylene | 11.92 | 106 | 3742 | 0.812 ug/l | | 94 |
| 70) Styrene | 11.94 | 104 | 5962 | 0.736 ug/l | | 98 |
| 71) Bromoform | 12.10 | 173 | 2022 | 0.806 ug/l | # | 94 |
| 73) Isopropylbenzene | 12.22 | 105 | 8119 | 0.950 ug/l | | 99 |
| 74) N-amyl acetate | 12.05 | 43 | 2731 | 0.819 ug/l | # | 76 |
| 75) 1,1,2,2-Tetrachloroethane | 12.48 | 83 | 4103 | 1.364 ug/l | | 97 |
| 76) 1,2,3-Trichloropropane | 12.53 | 75 | 3572m | 1.190 ug/l | | |
| 77) Bromobenzene | 12.50 | 156 | 2685 | 1.232 ug/l | | 78 |
| 78) n-propylbenzene | 12.57 | 91 | 10482 | 1.048 ug/l | | 93 |
| 79) 2-Chlorotoluene | 12.65 | 91 | 6202 | 0.994 ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.71 | 105 | 6102 | 0.824 ug/l | | 99 |
| 82) 4-Chlorotoluene | 12.75 | 91 | 5448 | 0.845 ug/l | | 97 |
| 83) tert-Butylbenzene | 12.97 | 119 | 5534 | 0.879 ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.02 | 105 | 5717 | 0.807 ug/l | | 92 |
| 85) sec-Butylbenzene | 13.15 | 105 | 6881 | 0.834 ug/l | | 97 |
| 86) p-Isopropyltoluene | 13.26 | 119 | 5670 | 0.773 ug/l | | 94 |
| 87) 1,3-Dichlorobenzene | 13.26 | 146 | 3575 | 0.925 ug/l | | 95 |
| 88) 1,4-Dichlorobenzene | 13.34 | 146 | 4160m | 1.070 ug/l | | |
| 89) n-Butylbenzene | 13.59 | 91 | 4767 | 0.774 ug/l | | 93 |
| 90) Hexachloroethane | 13.85 | 117 | 1378 | 0.878 ug/l | | 85 |
| 91) 1,2-Dichlorobenzene | 13.63 | 146 | 3523 | 0.969 ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75 | 313 | 0.504 ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180 | 1137 | 0.661 ug/l | # | 88 |
| 94) Hexachlorobutadiene | 14.98 | 225 | 1517 | 1.176 ug/l | | 89 |
| 95) Naphthalene | 15.10 | 128 | 2721 | 0.616 ug/l | # | 82 |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180 | 1220 | 0.733 ug/l | # | 90 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081720\
Data File : VN062968.D
Acq On : 17 Aug 2020 13:26
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 15:24:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 14:58:09 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**
MMDadoda
8/18/2020 11:12:44 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081720\
Data File : VN062968.D
Acq On : 17 Aug 2020 13:26
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 15:24:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 14:58:09 2020
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**
MMDadoda
8/18/2020 11:12:44 AM