Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
Data File : VW003606.D
Acq On : 27 Jun 2018 12:05
Operator : SY/AP
Sample : VW0627SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0627SBSD02

Manual Integrations APPROVED
apatel
6/28/2018 12:35:17 PM

Quant Time: Jun 27 14:13:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 218420 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.85 | 114 | 335037 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.64 | 117 | 309234 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152 | 165766 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 120326 | 50.86 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.72% | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 107507 | 51.64 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.28% | | | |
| 50) Toluene-d8 | 10.33 | 98 | 435320 | 52.73 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.46% | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 154291 | 52.82 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.64% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.00 | 85 | 16275 | 24.65 | ug/l | 84 |
| 3) Chloromethane | 2.21 | 50 | 35482 | 21.27 | ug/l | 95 |
| 4) Vinyl Chloride | 2.36 | 62 | 51649 | 21.24 | ug/l | 95 |
| 5) Bromomethane | 2.78 | 94 | 30703 | 18.99 | ug/l | 95 |
| 6) Chloroethane | 2.92 | 64 | 34221 | 20.21 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.25 | 101 | 34698 | 23.81 | ug/l | 94 |
| 8) Diethyl Ether | 3.68 | 74 | 23379 | 21.84 | ug/l | 93 |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 44164 | 21.83 | ug/l | 98 |
| 10) Methyl Iodide | 4.26 | 142 | 65208 | 21.31 | ug/l | 100 |
| 11) Tert butyl alcohol | 5.23 | 59 | 13218m | 104.18 | ug/l | |
| 12) 1,1-Dichloroethene | 4.03 | 96 | 43289 | 21.89 | ug/l | 95 |
| 13) Acrolein | 3.90 | 56 | 12278 | 67.68 | ug/l | 94 |
| 14) Allyl chloride | 4.66 | 41 | 73492 | 21.46 | ug/l | 98 |
| 15) Acrylonitrile | 5.38 | 53 | 47383 | 107.59 | ug/l | 98 |
| 16) Acetone | 4.15 | 43 | 57310 | 115.50 | ug/l | 97 |
| 17) Carbon Disulfide | 4.37 | 76 | 126234 | 21.60 | ug/l | 98 |
| 18) Methyl Acetate | 4.68 | 43 | 23412 | 19.89 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.43 | 73 | 78294 | 21.14 | ug/l | 96 |
| 20) Methylene Chloride | 4.91 | 84 | 57025 | 25.24 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 5.42 | 96 | 46010 | 21.38 | ug/l | 98 |
| 22) Diisopropyl ether | 6.32 | 45 | 151218 | 21.94 | ug/l | 98 |
| 23) Vinyl Acetate | 6.26 | 43 | 423878 | 106.71 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 6.21 | 63 | 90475 | 22.11 | ug/l | 99 |
| 25) 2-Butanone | 7.19 | 43 | 67697 | 109.72 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.17 | 77 | 60512 | 22.16 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 7.17 | 96 | 50564 | 21.39 | ug/l | 98 |
| 28) Bromochloromethane | 7.52 | 49 | 33752 | 19.82 | ug/l | 96 |
| 29) Tetrahydrofuran | 7.54 | 42 | 39556 | 104.90 | ug/l | 98 |
| 30) Chloroform | 7.68 | 83 | 91494 | 21.95 | ug/l | 96 |
| 31) Cyclohexane | 7.95 | 56 | 82035 | 21.46 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 7.87 | 97 | 75944 | 22.07 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 8.09 | 75 | 72657 | 22.46 | ug/l | 99 |
| 37) Ethyl Acetate | 7.26 | 43 | 29786 | 22.22 | ug/l | 99 |
| 38) Carbon Tetrachloride | 8.07 | 117 | 71021 | 22.38 | ug/l | 97 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
Data File : VW003606.D
Acq On : 27 Jun 2018 12:05
Operator : SY/AP
Sample : VW0627SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0627SBSD02

Manual Integrations APPROVED
apatel
6/28/2018 12:35:17 PM

Quant Time: Jun 27 14:13:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 9.34 | 83 | 80892 | 21.61 | ug/l | | 96 |
| 40) Benzene | 8.33 | 78 | 200170 | 22.44 | ug/l | | 98 |
| 41) Methacrylonitrile | 7.49 | 41 | 17611 | 21.41 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 8.40 | 62 | 62810 | 22.48 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.43 | 43 | 56345 | 21.17 | ug/l | | 98 |
| 44) Trichloroethene | 9.09 | 130 | 51620 | 21.84 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.37 | 63 | 51301 | 22.59 | ug/l | | 99 |
| 46) Dibromomethane | 9.46 | 93 | 24730 | 21.27 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.65 | 83 | 65649 | 22.03 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.45 | 41 | 27978 | 22.37 | ug/l | | 92 |
| 49) 1,4-Dioxane | 9.50 | 88 | 6786 | 386.58 | ug/l | | 86 |
| 51) 4-Methyl-2-Pentanone | 10.22 | 43 | 148610 | 109.58 | ug/l | | 99 |
| 52) Toluene | 10.39 | 92 | 128099 | 22.40 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.61 | 75 | 64638 | 21.23 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 10.08 | 75 | 73924 | 21.34 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.79 | 97 | 35998 | 21.97 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.65 | 69 | 41915 | 21.07 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 10.94 | 76 | 62108 | 21.98 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.93 | 63 | 96451 | 108.15 | ug/l | | 99 |
| 59) 2-Hexanone | 10.98 | 43 | 109486 | 115.56 | ug/l | | 99 |
| 60) Dibromochloromethane | 11.13 | 129 | 41350 | 21.22 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.24 | 107 | 33436 | 21.58 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.87 | 164 | 44191 | 21.37 | ug/l | | 96 |
| 65) Chlorobenzene | 11.66 | 112 | 138453 | 21.50 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.74 | 131 | 48064 | 21.24 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.74 | 91 | 246263 | 21.57 | ug/l | | 99 |
| 68) m/p-Xylenes | 11.85 | 106 | 188930 | 43.54 | ug/l | | 100 |
| 69) o-Xylene | 12.17 | 106 | 85750 | 21.32 | ug/l | | 98 |
| 70) Styrene | 12.19 | 104 | 145157 | 21.69 | ug/l | | 100 |
| 71) Bromoform | 12.35 | 173 | 23888 | 20.37 | ug/l | # | 96 |
| 73) Isopropylbenzene | 12.47 | 105 | 246435 | 21.37 | ug/l | | 99 |
| 74) N-amyl acetate | 12.28 | 43 | 54022 | 20.59 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.72 | 83 | 42952 | 22.02 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.77 | 75 | 31005m | 21.88 | ug/l | | |
| 77) Bromobenzene | 12.76 | 156 | 55989 | 20.85 | ug/l | | 96 |
| 78) n-propylbenzene | 12.81 | 91 | 309169 | 21.90 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.90 | 91 | 172267 | 21.59 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.95 | 105 | 212857 | 21.99 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75 | 12498 | 20.29 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 12.99 | 91 | 183772 | 21.71 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.21 | 119 | 175898 | 21.33 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105 | 218980 | 22.00 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.39 | 105 | 267102 | 21.79 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.51 | 119 | 235197 | 21.75 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.51 | 146 | 119602 | 21.68 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.58 | 146 | 118772 | 21.66 | ug/l | | 99 |
| 89) n-Butylbenzene | 13.83 | 91 | 233764 | 22.18 | ug/l | | 99 |
| 90) Hexachloroethane | 14.10 | 117 | 42593 | 21.78 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 13.88 | 146 | 105217 | 21.78 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75 | 7166 | 21.83 | ug/l | | 94 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
Data File : VW003606.D
Acq On : 27 Jun 2018 12:05
Operator : SY/AP
Sample : VW0627SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0627SBSD02

Manual Integrations APPROVED
apatel
6/28/2018 12:35:17 PM

Quant Time: Jun 27 14:13:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 15.15 | 180 | 72170 | 21.28 | ug/l | 100 |
| 94) Hexachlorobutadiene | 15.25 | 225 | 43866 | 21.50 | ug/l | 98 |
| 95) Naphthalene | 15.38 | 128 | 116566 | 20.26 | ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180 | 62633 | 20.98 | ug/l | 100 |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
Data File : VW003606.D
Acq On : 27 Jun 2018 12:05
Operator : SY/AP
Sample : VW0627SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 14:13:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
VW0627SBSD02

**Manual Integrations APPROVED**
apatel
6/28/2018 12:35:17 PM