Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031421\
Data File : VW018333.D
Acq On : 12 Mar 2021 22:48
Operator : SY/VA
Sample : MDL06
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL06

**Manual Integrations APPROVED**
MMDadoda
3/15/2021 12:40:36 PM

Quant Time: Mar 13 05:15:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031421S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 13 05:15:11 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.951 | 168 | 123460 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.848 | 114 | 219382 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.634 | 117 | 202524 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 96473 | 50.00 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.305 | 65 | 83754 | 53.94 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.88% | | | | |
| 35) Dibromofluoromethane | 7.884 | 113 | 73720 | 49.36 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.72% | | | | |
| 50) Toluene-d8 | 10.323 | 98 | 269278 | 48.85 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.70% | | | | |
| 62) 4-Bromofluorobenzene | 12.615 | 95 | 103111 | 51.11 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.22% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.014 | 85 | 2851 | 2.54 | ug/l | | 91 |
| 3) Chloromethane | 2.215 | 50 | 2893 | 3.12 | ug/l | | 91 |
| 4) Vinyl Chloride | 2.361 | 62 | 3626 | 2.60 | ug/l | | 92 |
| 5) Bromomethane | 2.782 | 94 | 3226 | 2.91 | ug/l | | 96 |
| 6) Chloroethane | 2.928 | 64 | 2164 | 2.53 | ug/l | | 96 |
| 7) Trichlorofluoromethane | 3.263 | 101 | 2468 | 1.82 | ug/l | | 97 |
| 8) Diethyl Ether | 3.684 | 74 | 1828 | 2.73 | ug/l | | 83 |
| 9) 1,1,2-Trichlorotrifluo... | 4.068 | 101 | 3778 | 2.53 | ug/l | # | 79 |
| 10) Methyl Iodide | 4.269 | 142 | 5118 | 2.51 | ug/l | # | 43 |
| 11) Tert butyl alcohol | 5.184 | 59 | 1057 | 16.67 | ug/l | # | 72 |
| 12) 1,1-Dichloroethene | 4.038 | 96 | 3651 | 2.54 | ug/l | | 99 |
| 13) Acrolein | 3.903 | 56 | 971 | 11.68 | ug/l | | 92 |
| 14) Allyl chloride | 4.672 | 41 | 3779 | 2.33 | ug/l | | 95 |
| 15) Acrylonitrile | 5.379 | 53 | 3818 | 14.45 | ug/l | | 99 |
| 16) Acetone | 4.129 | 43 | 4239 | 20.19 | ug/l | | 99 |
| 17) Carbon Disulfide | 4.391 | 76 | 9444 | 2.43 | ug/l | | 96 |
| 18) Methyl Acetate | 4.672 | 43 | 1719 | 3.19 | ug/l | # | 66 |
| 19) Methyl tert-butyl Ether | 5.434 | 73 | 4605 | 2.67 | ug/l | | 98 |
| 20) Methylene Chloride | 4.922 | 84 | 10313 | 5.27 | ug/l | | 99 |
| 21) trans-1,2-Dichloroethene | 5.428 | 96 | 4379 | 2.71 | ug/l | | 90 |
| 22) Diisopropyl ether | 6.318 | 45 | 9007 | 2.69 | ug/l | | 94 |
| 23) Vinyl Acetate | 6.257 | 43 | 25778 | 12.73 | ug/l | | 100 |
| 24) 1,1-Dichloroethane | 6.220 | 63 | 6935 | 2.68 | ug/l | | 97 |
| 25) 2-Butanone | 7.177 | 43 | 4301 | 14.28 | ug/l | | 94 |
| 26) 2,2-Dichloropropane | 7.159 | 77 | 3908 | 2.42 | ug/l | | 99 |
| 27) cis-1,2-Dichloroethene | 7.171 | 96 | 4822 | 2.76 | ug/l | | 97 |
| 28) Bromochloromethane | 7.506 | 49 | 2788 | 2.98 | ug/l | # | 98 |
| 29) Tetrahydrofuran | 7.531 | 42 | 2826 | 14.73 | ug/l | | 96 |
| 30) Chloroform | 7.683 | 83 | 7937 | 2.69 | ug/l | | 93 |
| 31) Cyclohexane | 7.951 | 56 | 8520 | 3.67 | ug/l | # | 75 |
| 32) 1,1,1-Trichloroethane | 7.866 | 97 | 6649 | 2.64 | ug/l | | 99 |
| 36) 1,1-Dichloropropene | 8.079 | 75 | 6276 | 2.64 | ug/l | | 95 |
| 37) Ethyl Acetate | 7.263 | 43 | 2229m | 3.01 | ug/l | | |
| 38) Carbon Tetrachloride | 8.073 | 117 | 6030 | 2.40 | ug/l | # | 90 |
| 39) Methylcyclohexane | 9.335 | 83 | 6995 | 2.47 | ug/l | | 95 |
| 40) Benzene | 8.329 | 78 | 16542 | 2.65 | ug/l | # | 90 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031421\
Data File : VW018333.D
Acq On : 12 Mar 2021 22:48
Operator : SY/VA
Sample : MDL06
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL06

**Manual Integrations APPROVED**
MMDadoda
3/15/2021 12:40:36 PM

Quant Time: Mar 13 05:15:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031421S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 13 05:15:11 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.488 | 41 | 896 | 2.15 | ug/l | # | 83 |
| 42) 1,2-Dichloroethane | 8.403 | 62 | 5607 | 2.72 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.427 | 43 | 3594 | 2.57 | ug/l | | 97 |
| 44) Trichloroethene | 9.098 | 130 | 4644 | 2.58 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 9.366 | 63 | 3938 | 2.75 | ug/l | | 99 |
| 46) Dibromomethane | 9.457 | 93 | 2406 | 2.71 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.646 | 83 | 5951 | 2.62 | ug/l | | 98 |
| 48) Methyl methacrylate | 9.445 | 41 | 1938 | 2.83 | ug/l | | 89 |
| 49) 1,4-Dioxane | 9.457 | 88 | 619 | 57.78 | ug/l | # | 87 |
| 51) 4-Methyl-2-Pentanone | 10.207 | 43 | 9770 | 13.67 | ug/l | | 96 |
| 52) Toluene | 10.390 | 92 | 10966 | 2.65 | ug/l | | 94 |
| 53) t-1,3-Dichloropropene | 10.603 | 75 | 4958 | 2.45 | ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 10.073 | 75 | 5802 | 2.43 | ug/l | # | 94 |
| 55) 1,1,2-Trichloroethane | 10.786 | 97 | 3259 | 2.74 | ug/l | | 91 |
| 56) Ethyl methacrylate | 10.652 | 69 | 3346 | 2.49 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 10.933 | 76 | 5886 | 2.93 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 9.927 | 63 | 9441 | 14.02 | ug/l | | 100 |
| 59) 2-Hexanone | 10.969 | 43 | 6642 | 13.70 | ug/l | | 98 |
| 60) Dibromochloromethane | 11.128 | 129 | 3788 | 2.63 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.231 | 107 | 3194 | 2.74 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.866 | 164 | 3610 | 2.49 | ug/l | | 87 |
| 65) Chlorobenzene | 11.652 | 112 | 11837 | 2.56 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 11.725 | 131 | 4393 | 2.69 | ug/l | | 92 |
| 67) Ethyl Benzene | 11.731 | 91 | 21031 | 2.46 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.835 | 106 | 15401 | 4.85 | ug/l | | 95 |
| 69) o-Xylene | 12.164 | 106 | 6972 | 2.40 | ug/l | | 94 |
| 70) Styrene | 12.182 | 104 | 11706 | 2.36 | ug/l | | 96 |
| 71) Bromoform | 12.353 | 173 | 1894 | 2.51 | ug/l | # | 97 |
| 73) Isopropylbenzene | 12.463 | 105 | 20229 | 2.41 | ug/l | | 98 |
| 74) N-amyl acetate | 12.274 | 43 | 3410 | 2.61 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 3872 | 2.87 | ug/l | | 96 |
| 76) 1,2,3-Trichloropropane | 12.762 | 75 | 2488m | 2.74 | ug/l | | |
| 77) Bromobenzene | 12.743 | 156 | 4889 | 2.77 | ug/l | | 97 |
| 78) n-propylbenzene | 12.804 | 91 | 25490 | 2.59 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 12.890 | 91 | 15233 | 2.67 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 12.938 | 105 | 17829 | 2.48 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.512 | 75 | 803m | 2.22 | ug/l | | |
| 82) 4-Chlorotoluene | 12.987 | 91 | 15333 | 2.56 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.207 | 119 | 15276 | 2.51 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.249 | 105 | 18232 | 2.55 | ug/l | | 97 |
| 85) sec-Butylbenzene | 13.383 | 105 | 21262 | 2.52 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 13.499 | 119 | 19372 | 2.50 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.499 | 146 | 9727 | 2.73 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.579 | 146 | 9381m | 2.68 | ug/l | | |
| 89) n-Butylbenzene | 13.822 | 91 | 19351 | 2.61 | ug/l | | 99 |
| 90) Hexachloroethane | 14.091 | 117 | 3381 | 2.53 | ug/l | | 93 |
| 91) 1,2-Dichlorobenzene | 13.871 | 146 | 8615 | 2.83 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.481 | 75 | 744 | 3.18 | ug/l | | 86 |
| 93) 1,2,4-Trichlorobenzene | 15.133 | 180 | 5986 | 2.88 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.231 | 225 | 3304 | 2.73 | ug/l | | 89 |
| 95) Naphthalene | 15.365 | 128 | 12278 | 3.05 | ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 15.554 | 180 | 5671 | 3.15 | ug/l | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031421\
Data File : VW018333.D
Acq On : 12 Mar 2021 22:48
Operator : SY/VA
Sample : MDL06
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 13 05:15:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031421S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 13 05:15:11 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL06

**Manual Integrations APPROVED**
MMDadoda
3/15/2021 12:40:36 PM

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031421\
Data File : VW018333.D
Acq On : 12 Mar 2021 22:48
Operator : SY/VA
Sample : MDL06
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 13 05:15:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031421S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 13 05:15:11 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
MDL06

**Manual Integrations APPROVED**
MMDadoda
3/15/2021 12:40:36 PM