Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
Data File : VD072971.D
Acq On : 13 May 2022 03:25
Operator : VA/SY
Sample : VD0512SBSD02
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 13 06:02:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD0512SBSD02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 7.973 | 168 | 282261 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.855 | 114 | 479050 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.632 | 117 | 469541 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.561 | 152 | 233310 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.326 | 65 | 179941 | 49.111 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 50 - 163 | | Recovery = 98.220% | | | |
| 35) Dibromofluoromethane | 7.908 | 113 | 183387 | 54.508 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 54 - 147 | | Recovery = 109.020% | | | |
| 50) Toluene-d8 | 10.332 | 98 | 652707 | 54.083 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 49 - 140 | | Recovery = 108.160% | | | |
| 62) 4-Bromofluorobenzene | 12.620 | 95 | 240983 | 53.552 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 25 - 144 | | Recovery = 107.100% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.991 | 85 | 69838 | 17.905 | ug/l | 93 |
| 3) Chloromethane | 2.209 | 50 | 69720 | 17.188 | ug/l | 95 |
| 4) Vinyl Chloride | 2.344 | 62 | 64803 | 17.804 | ug/l | 99 |
| 5) Bromomethane | 2.750 | 94 | 45972 | 19.594 | ug/l | 93 |
| 6) Chloroethane | 2.909 | 64 | 40718 | 17.949 | ug/l | 92 |
| 7) Trichlorofluoromethane | 3.268 | 101 | 120534 | 18.911 | ug/l | 89 |
| 8) Diethyl Ether | 3.709 | 74 | 33028 | 18.075 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 4.085 | 101 | 75242 | 19.884 | ug/l | 97 |
| 10) Methyl Iodide | 4.297 | 142 | 69004 | 18.171 | ug/l | 99 |
| 11) Tert butyl alcohol | 5.191 | 59 | 54892 | 173.156 | ug/l # | 78 |
| 12) 1,1-Dichloroethene | 4.062 | 96 | 65768 | 19.323 | ug/l | 84 |
| 13) Acrolein | 3.920 | 56 | 14364 | 51.883 | ug/l | 98 |
| 14) Allyl chloride | 4.709 | 41 | 104935 | 19.097 | ug/l | 92 |
| 15) Acrylonitrile | 5.409 | 53 | 83618 | 96.290 | ug/l | 95 |
| 16) Acetone | 4.162 | 43 | 63291 | 82.974 | ug/l | 93 |
| 17) Carbon Disulfide | 4.403 | 76 | 187261 | 17.498 | ug/l | 99 |
| 18) Methyl Acetate | 4.714 | 43 | 53973 | 26.957 | ug/l | 92 |
| 19) Methyl tert-butyl Ether | 5.473 | 73 | 152182 | 18.651 | ug/l | 95 |
| 20) Methylene Chloride | 4.956 | 84 | 112243 | 22.100 | ug/l | 85 |
| 21) trans-1,2-Dichloroethene | 5.467 | 96 | 76954 | 19.715 | ug/l | 90 |
| 22) Diisopropyl ether | 6.356 | 45 | 228921 | 18.938 | ug/l | 96 |
| 23) Vinyl Acetate | 6.303 | 43 | 561174 | 84.040 | ug/l | 95 |
| 24) 1,1-Dichloroethane | 6.261 | 63 | 146457 | 20.166 | ug/l | 99 |
| 25) 2-Butanone | 7.208 | 43 | 94025 | 88.074 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 7.208 | 77 | 104818 | 17.073 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 7.203 | 96 | 88852 | 19.874 | ug/l | 90 |
| 28) Bromochloromethane | 7.544 | 49 | 49650 | 18.333 | ug/l | 87 |
| 29) Tetrahydrofuran | 7.556 | 42 | 61223 | 89.972 | ug/l | 92 |
| 30) Chloroform | 7.703 | 83 | 155314 | 20.212 | ug/l | 95 |
| 31) Cyclohexane | 7.979 | 56 | 114156 | 17.823 | ug/l # | 85 |
| 32) 1,1,1-Trichloroethane | 7.897 | 97 | 131524 | 20.082 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 8.108 | 75 | 108571 | 19.846 | ug/l | 97 |
| 37) Ethyl Acetate | 7.285 | 43 | 42798 | 17.018 | ug/l # | 94 |
| 38) Carbon Tetrachloride | 8.091 | 117 | 113457 | 19.979 | ug/l | 94 |
| 39) Methylcyclohexane | 9.350 | 83 | 111696 | 17.602 | ug/l | 93 |
| 40) Benzene | 8.350 | 78 | 320606 | 20.294 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
Data File : VD072971.D
Acq On : 13 May 2022 03:25
Operator : VA/SY
Sample : VD0512SBSD02
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 13 06:02:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD0512SBSD02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.520 | 41 | 26798 | 17.896 | ug/l | | 93 |
| 42) 1,2-Dichloroethane | 8.420 | 62 | 92387 | 19.406 | ug/l | | 94 |
| 43) Isopropyl Acetate | 8.444 | 43 | 85526 | 18.425 | ug/l | | 96 |
| 44) Trichloroethene | 9.102 | 130 | 83392 | 19.730 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.379 | 63 | 82982 | 20.001 | ug/l | | 93 |
| 46) Dibromomethane | 9.467 | 93 | 45428 | 19.849 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.650 | 83 | 119228 | 20.251 | ug/l | | 94 |
| 48) Methyl methacrylate | 9.444 | 41 | 40042 | 17.633 | ug/l | # | 87 |
| 49) 1,4-Dioxane | 9.455 | 88 | 9635 | 373.855 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 10.220 | 43 | 227694 | 94.400 | ug/l | | 97 |
| 52) Toluene | 10.397 | 92 | 203254 | 20.625 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.614 | 75 | 99793 | 18.453 | ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 10.079 | 75 | 123293 | 19.624 | ug/l | # | 87 |
| 55) 1,1,2-Trichloroethane | 10.791 | 97 | 61023 | 19.724 | ug/l | | 94 |
| 56) Ethyl methacrylate | 10.655 | 69 | 68082 | 18.689 | ug/l | # | 86 |
| 57) 1,3-Dichloropropane | 10.938 | 76 | 103354 | 19.467 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 9.932 | 63 | 154749 | 87.618 | ug/l | | 99 |
| 59) 2-Hexanone | 10.973 | 43 | 147476 | 90.866 | ug/l | | 95 |
| 60) Dibromochloromethane | 11.132 | 129 | 80558 | 20.684 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 11.238 | 107 | 59147 | 19.641 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.867 | 164 | 67110 | 19.549 | ug/l | | 91 |
| 65) Chlorobenzene | 11.661 | 112 | 223114 | 20.544 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131 | 84231 | 20.638 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.738 | 91 | 376479 | 20.031 | ug/l | | 96 |
| 68) m/p-Xylenes | 11.844 | 106 | 296090 | 40.897 | ug/l | | 100 |
| 69) o-Xylene | 12.173 | 106 | 136075 | 20.125 | ug/l | | 97 |
| 70) Styrene | 12.185 | 104 | 243465 | 20.782 | ug/l | | 96 |
| 71) Bromoform | 12.349 | 173 | 45138 | 20.406 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.467 | 105 | 365703 | 20.147 | ug/l | | 99 |
| 74) N-amyl acetate | 12.279 | 43 | 78679 | 17.405 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83 | 74492 | 20.329 | ug/l | | 96 |
| 76) 1,2,3-Trichloropropane | 12.773 | 75 | 51717m | 19.879 | ug/l | | |
| 77) Bromobenzene | 12.749 | 156 | 88405 | 20.509 | ug/l | | 91 |
| 78) n-propylbenzene | 12.808 | 91 | 460104 | 20.111 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.896 | 91 | 269190 | 20.143 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.949 | 105 | 314625 | 20.441 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75 | 20074 | 17.744 | ug/l | | 90 |
| 82) 4-Chlorotoluene | 12.991 | 91 | 280500 | 20.088 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.208 | 119 | 258676 | 19.768 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.255 | 105 | 310458 | 20.179 | ug/l | | 98 |
| 85) sec-Butylbenzene | 13.390 | 105 | 405316 | 20.536 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.502 | 119 | 328242 | 20.285 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.502 | 146 | 179325 | 20.651 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.579 | 146 | 176823 | 20.448 | ug/l | | 100 |
| 89) n-Butylbenzene | 13.826 | 91 | 314785 | 20.082 | ug/l | | 99 |
| 90) Hexachloroethane | 14.096 | 117 | 68843 | 20.767 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 13.873 | 146 | 153340 | 20.262 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75 | 11078 | 19.072 | ug/l | | 91 |
| 93) 1,2,4-Trichlorobenzene | 15.143 | 180 | 85566 | 19.092 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.249 | 225 | 48823 | 19.947 | ug/l | | 98 |
| 95) Naphthalene | 15.379 | 128 | 153825 | 18.668 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.573 | 180 | 77279 | 19.451 | ug/l | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
Data File : VD072971.D
Acq On : 13 May 2022 03:25
Operator : VA/SY
Sample : VD0512SBSD02
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 13 06:02:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD0512SBSD02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

| Compound | 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_D\Data\VD051222\
Data File : VD072971.D
Acq On : 13 May 2022 03:25
Operator : VA/SY
Sample : VD0512SBSD02
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 13 06:02:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
Quant Title : SW846 8260
QLast Update : Tue May 03 08:33:49 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD0512SBSD02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022