Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031821\
Data File : VW018363.D
Acq On : 18 Mar 2021 11:13
Operator : SY/VA
Sample : VD0318SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**
VD0318SBS01

**Manual Integrations APPROVED**
MMDadoda
3/19/2021 3:32:42 PM

Quant Time: Mar 18 16:40:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031721S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 17 18:51:14 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 7.945 | 168 | 345835 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.841 | 114 | 593110 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.628 | 117 | 528377 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.560 | 152 | 274965 | 50.00 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.305 | 65 | 181978 | 49.28 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.56% | | | |
| 35) Dibromofluoromethane | 7.884 | 113 | 165706 | 47.94 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.88% | | | |
| 50) Toluene-d8 | 10.323 | 98 | 665665 | 48.43 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.86% | | | |
| 62) 4-Bromofluorobenzene | 12.615 | 95 | 248090 | 47.55 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.013 | 85 | 52348 | 21.28 | ug/l | 94 |
| 3) Chloromethane | 2.215 | 50 | 79442 | 20.88 | ug/l | 98 |
| 4) Vinyl Chloride | 2.367 | 62 | 104777 | 28.48 | ug/l | 99 |
| 5) Bromomethane | 2.776 | 94 | 78070 | 26.02 | ug/l | 91 |
| 6) Chloroethane | 2.922 | 64 | 71220 | 24.75 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.257 | 101 | 51890 | 18.16 | ug/l | 93 |
| 8) Diethyl Ether | 3.678 | 74 | 35639 | 20.66 | ug/l | 91 |
| 9) 1,1,2-Trichlorotrifluo... | 4.068 | 101 | 72957 | 22.59 | ug/l | 98 |
| 10) Methyl Iodide | 4.275 | 142 | 109286 | 23.01 | ug/l | 95 |
| 11) Tert butyl alcohol | 5.165 | 59 | 20877 | 92.89 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 4.044 | 96 | 74449 | 22.39 | ug/l | 92 |
| 13) Acrolein | 3.891 | 56 | 19350 | 118.94 | ug/l | 96 |
| 14) Allyl chloride | 4.672 | 41 | 100252 | 22.13 | ug/l | 95 |
| 15) Acrylonitrile | 5.360 | 53 | 67650 | 99.04 | ug/l | 99 |
| 16) Acetone | 4.117 | 43 | 54541 | 98.80 | ug/l | 89 |
| 17) Carbon Disulfide | 4.385 | 76 | 204437 | 23.43 | ug/l | 97 |
| 18) Methyl Acetate | 4.665 | 43 | 27611 | 19.05 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.421 | 73 | 101808 | 20.41 | ug/l | 95 |
| 20) Methylene Chloride | 4.915 | 84 | 88950 | 22.57 | ug/l | 88 |
| 21) trans-1,2-Dichloroethene | 5.421 | 96 | 84561 | 21.62 | ug/l | 90 |
| 22) Diisopropyl ether | 6.305 | 45 | 204317 | 21.96 | ug/l | 98 |
| 23) Vinyl Acetate | 6.250 | 43 | 613247 | 106.53 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 6.214 | 63 | 145999 | 21.88 | ug/l | 96 |
| 25) 2-Butanone | 7.165 | 43 | 79572 | 97.29 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 7.159 | 77 | 92524 | 21.57 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 7.165 | 96 | 91058 | 21.36 | ug/l | 91 |
| 28) Bromochloromethane | 7.512 | 49 | 55839 | 21.42 | ug/l | 88 |
| 29) Tetrahydrofuran | 7.531 | 42 | 52780 | 99.44 | ug/l | 96 |
| 30) Chloroform | 7.677 | 83 | 155920 | 22.17 | ug/l | 98 |
| 31) Cyclohexane | 7.951 | 56 | 140660 | 22.24 | ug/l | 89 |
| 32) 1,1,1-Trichloroethane | 7.872 | 97 | 127644 | 22.31 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 8.079 | 75 | 127171 | 21.70 | ug/l | 99 |
| 37) Ethyl Acetate | 7.250 | 43 | 38762 | 18.92 | ug/l | 97 |
| 38) Carbon Tetrachloride | 8.067 | 117 | 117928 | 21.53 | ug/l # | 94 |
| 39) Methylcyclohexane | 9.335 | 83 | 159351 | 21.48 | ug/l | 95 |
| 40) Benzene | 8.323 | 78 | 339423 | 21.64 | ug/l | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.482 | 41 | 21657 | 19.54 | ug/l | # | 90 |
| 42) 1,2-Dichloroethane | 8.396 | 62 | 105738 | 21.46 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.421 | 43 | 79973 | 19.44 | ug/l | | 97 |
| 44) Trichloroethene | 9.091 | 130 | 90372 | 21.39 | ug/l | | 91 |
| 45) 1,2-Dichloropropane | 9.372 | 63 | 80760 | 21.31 | ug/l | | 98 |
| 46) Dibromomethane | 9.457 | 93 | 43594 | 20.59 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.646 | 83 | 116195 | 21.10 | ug/l | | 96 |
| 48) Methyl methacrylate | 9.433 | 41 | 40372 | 20.70 | ug/l | | 95 |
| 49) 1,4-Dioxane | 9.445 | 88 | 11366 | 370.04 | ug/l | | 91 |
| 51) 4-Methyl-2-Pentanone | 10.207 | 43 | 190733 | 94.95 | ug/l | | 98 |
| 52) Toluene | 10.390 | 92 | 225308 | 21.77 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.603 | 75 | 115519 | 20.59 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 10.073 | 75 | 134090 | 20.95 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 10.786 | 97 | 57633 | 20.12 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.646 | 69 | 72851 | 19.55 | ug/l | | 95 |
| 57) 1,3-Dichloropropane | 10.933 | 76 | 105546 | 20.70 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.921 | 63 | 183405 | 97.01 | ug/l | | 96 |
| 59) 2-Hexanone | 10.969 | 43 | 129569 | 93.69 | ug/l | | 97 |
| 60) Dibromochloromethane | 11.128 | 129 | 70679 | 20.03 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.237 | 107 | 56811 | 20.18 | ug/l | | 97 |
| 64) Tetrachloroethene | 10.859 | 164 | 75522 | 22.40 | ug/l | # | 85 |
| 65) Chlorobenzene | 11.658 | 112 | 230168 | 21.57 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.731 | 131 | 79807 | 21.19 | ug/l | | 97 |
| 67) Ethyl Benzene | 11.731 | 91 | 445539 | 22.07 | ug/l | | 97 |
| 68) m/p-Xylenes | 11.835 | 106 | 336459 | 43.93 | ug/l | | 99 |
| 69) o-Xylene | 12.164 | 106 | 154531 | 21.56 | ug/l | | 100 |
| 70) Styrene | 12.176 | 104 | 258785 | 21.60 | ug/l | | 100 |
| 71) Bromoform | 12.347 | 173 | 37405 | 19.48 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.463 | 105 | 438719 | 21.18 | ug/l | | 99 |
| 74) N-amyl acetate | 12.268 | 43 | 76003 | 18.65 | ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 65457 | 19.37 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.768 | 75 | 54699m | 21.64 | ug/l | | |
| 77) Bromobenzene | 12.743 | 156 | 90276 | 20.36 | ug/l | | 94 |
| 78) n-propylbenzene | 12.804 | 91 | 528073 | 21.39 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.890 | 91 | 297181 | 21.01 | ug/l | | 95 |
| 80) 1,3,5-Trimethylbenzene | 12.944 | 105 | 376935 | 21.10 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.512 | 75 | 20597 | 17.83 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 12.987 | 91 | 318784 | 21.38 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.207 | 119 | 321846 | 21.25 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.249 | 105 | 371669 | 20.78 | ug/l | | 96 |
| 85) sec-Butylbenzene | 13.383 | 105 | 454817 | 21.31 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.499 | 119 | 403560 | 21.05 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.499 | 146 | 184714 | 20.64 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.572 | 146 | 180276 | 20.20 | ug/l | | 96 |
| 89) n-Butylbenzene | 13.822 | 91 | 407927 | 21.45 | ug/l | | 99 |
| 90) Hexachloroethane | 14.091 | 117 | 72616 | 20.62 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.865 | 146 | 160043 | 20.30 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.481 | 75 | 11470 | 18.31 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 15.127 | 180 | 117597 | 21.07 | ug/l | | 91 |
| 94) Hexachlorobutadiene | 15.231 | 225 | 67433 | 21.33 | ug/l | | 87 |
| 95) Naphthalene | 15.365 | 128 | 200632 | 19.48 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.554 | 180 | 99473 | 21.42 | ug/l | | 95 |

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|---|---|---|---|---|---|---|

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

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