Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052521\
Data File : VW019080.D
Acq On : 25 May 2021 16:42
Operator : SY/VA
Sample : M2262-03 2.5PPBMDL
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** MDL-SOIL-03-QT2-2021

**Manual Integrations APPROVED**
MMDadoda
5/27/2021 10:29:34 AM

Quant Time: May 26 03:28:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W052421S.M
Quant Title : SW846 8260
QLast Update : Wed May 26 03:28:42 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 7.951 | 168 | 338212 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.848 | 114 | 575561 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.634 | 117 | 522516 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.560 | 152 | 246945 | 50.00 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.305 | 65 | 226852 | 53.51 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.02% | | | | |
| 35) Dibromofluoromethane | 7.884 | 113 | 196480 | 50.17 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.34% | | | | |
| 50) Toluene-d8 | 10.323 | 98 | 794784 | 49.82 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.64% | | | | |
| 62) 4-Bromofluorobenzene | 12.615 | 95 | 274720 | 48.82 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.64% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.014 | 85 | 4527 | 1.90 | ug/l | | 91 |
| 3) Chloromethane | 2.215 | 50 | 6594 | 2.50 | ug/l | | 98 |
| 4) Vinyl Chloride | 2.361 | 62 | 8704 | 2.11 | ug/l | | 97 |
| 5) Bromomethane | 2.782 | 94 | 7948 | 2.38 | ug/l | | 87 |
| 6) Chloroethane | 2.928 | 64 | 5921 | 2.16 | ug/l | | 98 |
| 7) Trichlorofluoromethane | 3.263 | 101 | 4247 | 1.77 | ug/l | # | 82 |
| 8) Diethyl Ether | 3.690 | 74 | 4028 | 2.13 | ug/l | | 84 |
| 9) 1,1,2-Trichlorotrifluo... | 4.068 | 101 | 7876 | 2.18 | ug/l | | 98 |
| 10) Methyl Iodide | 4.281 | 142 | 10455 | 2.04 | ug/l | | 99 |
| 11) Tert butyl alcohol | 5.178 | 59 | 5649m | 27.24 | ug/l | | |
| 12) 1,1-Dichloroethene | 4.056 | 96 | 7655 | 2.03 | ug/l | | 96 |
| 13) Acrolein | 3.897 | 56 | 2103 | 8.21 | ug/l | | 95 |
| 14) Allyl chloride | 4.678 | 41 | 9701 | 1.93 | ug/l | | 96 |
| 15) Acrylonitrile | 5.379 | 53 | 7508 | 10.82 | ug/l | | 99 |
| 16) Acetone | 4.141 | 43 | 10411 | 15.95 | ug/l | | 88 |
| 17) Carbon Disulfide | 4.391 | 76 | 19192 | 1.88 | ug/l | | 97 |
| 18) Methyl Acetate | 4.684 | 43 | 4517 | 2.56 | ug/l | | 91 |
| 19) Methyl tert-butyl Ether | 5.434 | 73 | 9862 | 2.15 | ug/l | | 99 |
| 20) Methylene Chloride | 4.922 | 84 | 38380 | 8.11 | ug/l | | 99 |
| 21) trans-1,2-Dichloroethene | 5.428 | 96 | 8962 | 2.13 | ug/l | | 86 |
| 22) Diisopropyl ether | 6.318 | 45 | 18725 | 1.92 | ug/l | | 97 |
| 23) Vinyl Acetate | 6.263 | 43 | 53744 | 8.37 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 6.214 | 63 | 15804 | 2.09 | ug/l | # | 92 |
| 25) 2-Butanone | 7.183 | 43 | 12731 | 13.22 | ug/l | | 92 |
| 26) 2,2-Dichloropropane | 7.159 | 77 | 11861 | 2.75 | ug/l | | 85 |
| 27) cis-1,2-Dichloroethene | 7.171 | 96 | 9610 | 2.08 | ug/l | | 86 |
| 28) Bromochloromethane | 7.519 | 49 | 6247 | 2.09 | ug/l | # | 92 |
| 29) Tetrahydrofuran | 7.531 | 42 | 6004 | 11.00 | ug/l | | 93 |
| 30) Chloroform | 7.683 | 83 | 16634 | 2.19 | ug/l | | 92 |
| 31) Cyclohexane | 7.951 | 56 | 20040 | 3.12 | ug/l | # | 61 |
| 32) 1,1,1-Trichloroethane | 7.872 | 97 | 11749 | 2.01 | ug/l | | 97 |
| 36) 1,1-Dichloropropene | 8.086 | 75 | 13088 | 2.04 | ug/l | | 99 |
| 37) Ethyl Acetate | 7.263 | 43 | 5648 | 2.43 | ug/l | | 98 |
| 38) Carbon Tetrachloride | 8.067 | 117 | 10842 | 1.90 | ug/l | | 99 |
| 39) Methylcyclohexane | 9.335 | 83 | 13587 | 1.90 | ug/l | | 95 |
| 40) Benzene | 8.323 | 78 | 36913 | 2.11 | ug/l | | 95 |

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MSVOA_W
**ClientSampleId :**
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Quant Title : SW846 8260
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.494 | 41 | 2591 | 1.91 | ug/l | | 87 |
| 42) 1,2-Dichloroethane | 8.403 | 62 | 11091 | 2.15 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.427 | 43 | 8989 | 2.01 | ug/l | | 99 |
| 44) Trichloroethene | 9.091 | 130 | 9076 | 1.97 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.372 | 63 | 8664 | 2.04 | ug/l | | 91 |
| 46) Dibromomethane | 9.457 | 93 | 4390 | 1.99 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.640 | 83 | 11415 | 2.00 | ug/l | # | 89 |
| 48) Methyl methacrylate | 9.439 | 41 | 4126 | 1.97 | ug/l | | 92 |
| 49) 1,4-Dioxane | 9.469 | 88 | 1079 | 40.62 | ug/l | # | 39 |
| 51) 4-Methyl-2-Pentanone | 10.213 | 43 | 24459 | 10.76 | ug/l | | 97 |
| 52) Toluene | 10.390 | 92 | 22880 | 2.05 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.603 | 75 | 9912 | 1.75 | ug/l | | 90 |
| 54) cis-1,3-Dichloropropene | 10.073 | 75 | 12064 | 1.79 | ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 10.792 | 97 | 6655 | 2.13 | ug/l | | 94 |
| 56) Ethyl methacrylate | 10.646 | 69 | 7017 | 1.79 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 10.933 | 76 | 10830 | 1.94 | ug/l | | 94 |
| 58) 2-Chloroethyl Vinyl ether | 9.927 | 63 | 18233 | 9.20 | ug/l | | 97 |
| 59) 2-Hexanone | 10.969 | 43 | 13954 | 9.13 | ug/l | | 98 |
| 60) Dibromochloromethane | 11.128 | 129 | 6340 | 1.81 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.237 | 107 | 6102 | 2.07 | ug/l | | 97 |
| 64) Tetrachloroethene | 10.859 | 164 | 7670 | 2.05 | ug/l | | 97 |
| 65) Chlorobenzene | 11.658 | 112 | 24427 | 2.10 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 11.731 | 131 | 7209 | 1.81 | ug/l | # | 65 |
| 67) Ethyl Benzene | 11.731 | 91 | 42723 | 1.94 | ug/l | | 98 |
| 68) m/p-Xylenes | 11.841 | 106 | 31101 | 3.85 | ug/l | | 97 |
| 69) o-Xylene | 12.164 | 106 | 13847 | 1.81 | ug/l | | 92 |
| 70) Styrene | 12.182 | 104 | 23057 | 1.81 | ug/l | | 99 |
| 71) Bromoform | 12.341 | 173 | 3455 | 1.81 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.463 | 105 | 37986 | 1.88 | ug/l | | 100 |
| 74) N-amyl acetate | 12.274 | 43 | 7385 | 1.82 | ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 7686 | 2.24 | ug/l | | 93 |
| 76) 1,2,3-Trichloropropane | 12.762 | 75 | 5154m | 2.19 | ug/l | | |
| 77) Bromobenzene | 12.749 | 156 | 8834 | 2.05 | ug/l | | 91 |
| 78) n-propylbenzene | 12.804 | 91 | 46578 | 1.87 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 12.890 | 91 | 26981 | 1.92 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.944 | 105 | 32769 | 1.93 | ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-b... | 12.512 | 75 | 1777m | 1.70 | ug/l | | |
| 82) 4-Chlorotoluene | 12.987 | 91 | 27905 | 1.88 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.207 | 119 | 26172 | 1.81 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.249 | 105 | 31932 | 1.88 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.383 | 105 | 39405 | 1.81 | ug/l | | 97 |
| 86) p-Isopropyltoluene | 13.499 | 119 | 32254 | 1.74 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.499 | 146 | 18199 | 2.04 | ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 13.578 | 146 | 19997 | 2.28 | ug/l | | 89 |
| 89) n-Butylbenzene | 13.822 | 91 | 34451 | 1.86 | ug/l | | 98 |
| 90) Hexachloroethane | 14.091 | 117 | 5403 | 1.85 | ug/l | | 92 |
| 91) 1,2-Dichlorobenzene | 13.871 | 146 | 16631 | 2.14 | ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.481 | 75 | 1188 | 2.17 | ug/l | | 89 |
| 93) 1,2,4-Trichlorobenzene | 15.133 | 180 | 11478 | 2.14 | ug/l | | 94 |
| 94) Hexachlorobutadiene | 15.231 | 225 | 6222 | 2.05 | ug/l | | 97 |
| 95) Naphthalene | 15.365 | 128 | 19486 | 2.07 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.554 | 180 | 10023 | 2.21 | ug/l | | 95 |

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

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

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