Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021821\
Data File : VU042345.D
Acq On : 18 Feb 2021 12:49
Operator : SY/MD
Sample : MDL04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 19 10:44:47 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 19 10:36:46 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
MDL04

**Manual Integrations APPROVED**
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2/19/2021 2:45:24 PM

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.382 | 168 | 126698 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.256 | 114 | 196736 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 9.423 | 117 | 180492 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 11.819 | 152 | 86393 | 50.00 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.713 | 65 | 101003 | 52.57 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.14% | | | | |
| 35) Dibromofluoromethane | 5.301 | 113 | 70933 | 51.08 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.16% | | | | |
| 50) Toluene-d8 | 7.906 | 98 | 247523 | 49.77 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.54% | | | | |
| 62) 4-Bromofluorobenzene | 10.639 | 95 | 88384 | 45.09 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 90.18% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 658 | 0.43 | ug/l | | 87 |
| 3) Chloromethane | 1.523 | 50 | 992 | 0.64 | ug/l | | 96 |
| 4) Vinyl Chloride | 1.607 | 62 | 633 | 0.42 | ug/l | # | 76 |
| 5) Bromomethane | 1.861 | 94 | 650 | 0.71 | ug/l | | 92 |
| 6) Chloroethane | 1.941 | 64 | 519 | 0.60 | ug/l | | 92 |
| 7) Trichlorofluoromethane | 2.144 | 101 | 1109 | 0.48 | ug/l | # | 79 |
| 8) Diethyl Ether | 2.382 | 74 | 250 | 0.34 | ug/l | # | 26 |
| 9) 1,1,2-Trichlorotrifluo... | 2.584 | 101 | 565 | 0.47 | ug/l | # | 65 |
| 10) Methyl Iodide | 2.729 | 142 | 690 | 0.40 | ug/l | # | 84 |
| 11) Tert butyl alcohol | 3.247 | 59 | 1673m | 4.08 | ug/l | | |
| 12) 1,1-Dichloroethene | 2.578 | 96 | 544m | 0.47 | ug/l | | |
| 13) Acrolein | 2.498 | 56 | 658 | 2.62 | ug/l | | 95 |
| 14) Allyl chloride | 2.932 | 41 | 1306 | 0.50 | ug/l | # | 84 |
| 15) Acrylonitrile | 3.334 | 53 | 2264 | 2.28 | ug/l | | 91 |
| 16) Acetone | 2.649 | 43 | 3299 | 2.77 | ug/l | # | 89 |
| 17) Carbon Disulfide | 2.800 | 76 | 1911 | 0.54 | ug/l | # | 94 |
| 18) Methyl Acetate | 2.967 | 43 | 1059 | 0.49 | ug/l | # | 68 |
| 19) Methyl tert-butyl Ether | 3.375 | 73 | 2102 | 0.48 | ug/l | # | 87 |
| 20) Methylene Chloride | 3.054 | 84 | 897 | 0.65 | ug/l | | 85 |
| 21) trans-1,2-Dichloroethene | 3.366 | 96 | 770m | 0.61 | ug/l | | |
| 22) Diisopropyl ether | 4.002 | 45 | 2341 | 0.48 | ug/l | # | 47 |
| 23) Vinyl Acetate | 3.970 | 43 | 11259 | 2.41 | ug/l | | 98 |
| 24) 1,1-Dichloroethane | 3.887 | 63 | 1177 | 0.46 | ug/l | # | 84 |
| 25) 2-Butanone | 4.729 | 43 | 3919 | 2.47 | ug/l | | 96 |
| 26) 2,2-Dichloropropane | 4.671 | 77 | 1379m | 0.60 | ug/l | | |
| 27) cis-1,2-Dichloroethene | 4.678 | 96 | 770 | 0.53 | ug/l | | 93 |
| 28) Bromochloromethane | 4.980 | 49 | 554 | 0.42 | ug/l | # | 74 |
| 29) Tetrahydrofuran | 5.073 | 42 | 2686 | 2.73 | ug/l | # | 86 |
| 30) Chloroform | 5.102 | 83 | 1289 | 0.50 | ug/l | | 89 |
| 31) Cyclohexane | 5.385 | 56 | 4297 | 1.71 | ug/l | # | 45 |
| 32) 1,1,1-Trichloroethane | 5.327 | 97 | 1051 | 0.45 | ug/l | # | 37 |
| 36) 1,1-Dichloropropene | 5.536 | 75 | 911 | 0.47 | ug/l | # | 78 |
| 37) Ethyl Acetate | 4.819 | 43 | 1627m | 0.54 | ug/l | | |
| 38) Carbon Tetrachloride | 5.536 | 117 | 958 | 0.46 | ug/l | | 93 |
| 39) Methylcyclohexane | 6.771 | 83 | 974 | 0.43 | ug/l | | 96 |
| 40) Benzene | 5.784 | 78 | 2519 | 0.46 | ug/l | # | 90 |

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**Instrument :**
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.983 | 41 | 737 | 0.47 | ug/l | # | 45 |
| 42) 1,2-Dichloroethane | 5.809 | 62 | 1263 | 0.53 | ug/l | # | 79 |
| 43) Isopropyl Acetate | 5.928 | 43 | 2191 | 0.49 | ug/l | # | 84 |
| 44) Trichloroethene | 6.552 | 130 | 663 | 0.46 | ug/l | | 81 |
| 45) 1,2-Dichloropropane | 6.803 | 63 | 610m | 0.40 | ug/l | | |
| 46) Dibromomethane | 6.928 | 93 | 455 | 0.43 | ug/l | # | 87 |
| 47) Bromodichloromethane | 7.108 | 83 | 886 | 0.43 | ug/l | # | 97 |
| 48) Methyl methacrylate | 6.977 | 41 | 943 | 0.43 | ug/l | | 85 |
| 49) 1,4-Dioxane | 7.018 | 88 | 233 | 5.52 | ug/l | # | 43 |
| 51) 4-Methyl-2-Pentanone | 7.806 | 43 | 7004 | 2.33 | ug/l | | 98 |
| 52) Toluene | 7.980 | 92 | 1880 | 0.56 | ug/l | | 90 |
| 53) t-1,3-Dichloropropene | 8.218 | 75 | 936 | 0.41 | ug/l | # | 62 |
| 54) cis-1,3-Dichloropropene | 7.613 | 75 | 1003 | 0.41 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 8.404 | 97 | 747 | 0.53 | ug/l | # | 69 |
| 56) Ethyl methacrylate | 8.349 | 69 | 1049 | 0.44 | ug/l | | 92 |
| 57) 1,3-Dichloropropane | 8.584 | 76 | 1329 | 0.54 | ug/l | # | 73 |
| 58) 2-Chloroethyl Vinyl ether | 7.472 | 63 | 1266 | 1.57 | ug/l | # | 88 |
| 59) 2-Hexanone | 8.700 | 43 | 5738 | 2.39 | ug/l | | 97 |
| 60) Dibromochloromethane | 8.819 | 129 | 613 | 0.38 | ug/l | | 87 |
| 61) 1,2-Dibromoethane | 8.935 | 107 | 604 | 0.38 | ug/l | | 91 |
| 64) Tetrachloroethene | 8.558 | 164 | 734 | 0.54 | ug/l | # | 89 |
| 65) Chlorobenzene | 9.456 | 112 | 1834 | 0.51 | ug/l | | 93 |
| 66) 1,1,1,2-Tetrachloroethane | 9.542 | 131 | 678 | 0.49 | ug/l | # | 61 |
| 67) Ethyl Benzene | 9.578 | 91 | 3201 | 0.49 | ug/l | | 97 |
| 68) m/p-Xylenes | 9.703 | 106 | 2143 | 0.89 | ug/l | | 100 |
| 69) o-Xylene | 10.108 | 106 | 1109 | 0.47 | ug/l | | 91 |
| 70) Styrene | 10.124 | 104 | 1533 | 0.39 | ug/l | | 97 |
| 71) Bromoform | 10.298 | 173 | 424 | 0.32 | ug/l | # | 59 |
| 73) Isopropylbenzene | 10.491 | 105 | 2994 | 0.52 | ug/l | | 93 |
| 74) N-amyl acetate | 10.330 | 43 | 1469 | 0.45 | ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 10.793 | 83 | 959 | 0.44 | ug/l | # | 95 |
| 76) 1,2,3-Trichloropropane | 10.828 | 75 | 1214m | 0.57 | ug/l | | |
| 77) Bromobenzene | 10.793 | 156 | 790 | 0.51 | ug/l | | 96 |
| 78) n-propylbenzene | 10.915 | 91 | 3544 | 0.53 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 10.996 | 91 | 2042 | 0.50 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.099 | 105 | 2479 | 0.50 | ug/l | | 96 |
| 81) trans-1,4-Dichloro-2-b... | 10.549 | 75 | 231m | 0.29 | ug/l | | |
| 82) 4-Chlorotoluene | 11.105 | 91 | 2342 | 0.49 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.427 | 119 | 2318 | 0.48 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.475 | 105 | 2435 | 0.49 | ug/l | | 90 |
| 85) sec-Butylbenzene | 11.652 | 105 | 2261 | 0.40 | ug/l | | 94 |
| 86) p-Isopropyltoluene | 11.799 | 119 | 2330 | 0.45 | ug/l | | 91 |
| 87) 1,3-Dichlorobenzene | 11.754 | 146 | 1476 | 0.55 | ug/l | | 95 |
| 88) 1,4-Dichlorobenzene | 11.841 | 146 | 1678m | 0.62 | ug/l | | |
| 89) n-Butylbenzene | 12.217 | 91 | 1928 | 0.42 | ug/l | | 96 |
| 90) Hexachloroethane | 12.478 | 117 | 337 | 0.36 | ug/l | | 91 |
| 91) 1,2-Dichlorobenzene | 12.224 | 146 | 1329 | 0.49 | ug/l | | 96 |
| 92) 1,2-Dibromo-3-Chloropr... | 13.008 | 75 | 158 | 0.26 | ug/l | | 83 |
| 93) 1,2,4-Trichlorobenzene | 13.848 | 180 | 669 | 0.40 | ug/l | # | 69 |
| 94) Hexachlorobutadiene | 14.031 | 225 | 464 | 0.49 | ug/l | # | 66 |
| 95) Naphthalene | 14.098 | 128 | 1870 | 0.39 | ug/l | # | 83 |
| 96) 1,2,3-Trichlorobenzene | 14.340 | 180 | 576 | 0.35 | ug/l | | 77 |

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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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