Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
Data File : VN074739.D
Acq On : 05 Oct 2022 13:23
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 04:41:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 04:37:19 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 10/06/2022
Supervised By :Mahesh Dadoda 10/06/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 8.236 | 168 | 351486 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.106 | 114 | 646976 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.871 | 117 | 691473 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152 | 441145 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.589 | 65 | 407230 | 48.898 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 97.800% | | | |
| 35) Dibromofluoromethane | 8.171 | 113 | 318833 | 48.161 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.320% | | | |
| 50) Toluene-d8 | 10.571 | 98 | 1413016 | 50.378 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.760% | | | |
| 62) 4-Bromofluorobenzene | 12.853 | 95 | 443656 | 52.034 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 104.060% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 359870 | 49.925 | ug/l | 100 |
| 3) Chloromethane | 2.377 | 50 | 486709 | 45.403 | ug/l | 100 |
| 4) Vinyl Chloride | 2.530 | 62 | 647118 | 48.756 | ug/l | 100 |
| 5) Bromomethane | 2.930 | 94 | 474584 | 50.707 | ug/l | 100 |
| 6) Chloroethane | 3.112 | 64 | 490842 | 49.739 | ug/l | 100 |
| 7) Trichlorofluoromethane | 3.501 | 101 | 480114 | 45.594 | ug/l | 100 |
| 8) Diethyl Ether | 3.977 | 74 | 250947 | 45.987 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 4.383 | 101 | 303540 | 47.366 | ug/l | 100 |
| 10) Methyl Iodide | 4.612 | 142 | 380092 | 48.911 | ug/l | 100 |
| 11) Tert butyl alcohol | 5.559 | 59 | 640774 | 232.142 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 4.359 | 96 | 306391 | 44.772 | ug/l | 100 |
| 13) Acrolein | 4.201 | 56 | 175995 | 212.520 | ug/l | 100 |
| 14) Allyl chloride | 5.042 | 41 | 693861 | 48.738 | ug/l | 100 |
| 15) Acrylonitrile | 5.742 | 53 | 1496506 | 245.987 | ug/l | 100 |
| 16) Acetone | 4.459 | 43 | 1129993 | 239.426 | ug/l | 100 |
| 17) Carbon Disulfide | 4.724 | 76 | 883367 | 47.387 | ug/l | 100 |
| 18) Methyl Acetate | 5.048 | 43 | 825683 | 47.253 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 5.818 | 73 | 1305165 | 49.179 | ug/l | 100 |
| 20) Methylene Chloride | 5.295 | 84 | 395543 | 45.313 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 5.800 | 96 | 340430 | 45.049 | ug/l | 100 |
| 22) Diisopropyl ether | 6.695 | 45 | 1457958 | 49.378 | ug/l | 100 |
| 23) Vinyl Acetate | 6.624 | 43 | 6366484 | 260.283 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 6.583 | 63 | 749740 | 48.836 | ug/l | 100 |
| 25) 2-Butanone | 7.500 | 43 | 2090285 | 244.038 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 7.506 | 77 | 595127 | 46.999 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 7.494 | 96 | 422020 | 48.584 | ug/l | 100 |
| 28) Bromochloromethane | 7.818 | 49 | 365560 | 52.774 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.853 | 42 | 1472619 | 246.683 | ug/l | 100 |
| 30) Chloroform | 7.977 | 83 | 692864 | 49.273 | ug/l | 100 |
| 31) Cyclohexane | 8.265 | 56 | 693830 | 48.202 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 8.177 | 97 | 598516 | 49.935 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 8.377 | 75 | 527312 | 49.793 | ug/l | 100 |
| 37) Ethyl Acetate | 7.500 | 43 | 2090285 | 47.573 | ug/l # | 51 |
| 38) Carbon Tetrachloride | 8.371 | 117 | 496307 | 49.742 | ug/l | 100 |
| 39) Methylcyclohexane | 9.600 | 83 | 703460 | 51.324 | ug/l | 100 |
| 40) Benzene | 8.612 | 78 | 1699016 | 49.603 | ug/l | 100 |

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MSVOA_N
**ClientSampleId :**
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.789 | 41 | 416142 | 49.775 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 8.677 | 62 | 548787 | 51.043 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.700 | 43 | 1299264 | 49.541 | ug/l | | 100 |
| 44) Trichloroethene | 9.359 | 130 | 354419 | 49.682 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.630 | 63 | 469598 | 50.634 | ug/l | | 100 |
| 46) Dibromomethane | 9.712 | 93 | 285289 | 52.422 | ug/l | | 100 |
| 47) Bromodichloromethane | 9.888 | 83 | 557196 | 50.114 | ug/l | | 100 |
| 48) Methyl methacrylate | 9.618 | 41 | 552836 | 51.345 | ug/l | # | 100 |
| 49) 1,4-Dioxane | 9.706 | 88 | 229345 | 982.777 | ug/l | | 100 |
| 51) 4-Methyl-2-Pentanone | 10.447 | 43 | 4312690 | 255.362 | ug/l | | 100 |
| 52) Toluene | 10.635 | 92 | 1076730 | 52.328 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.841 | 75 | 691210 | 52.175 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 10.312 | 75 | 723620 | 50.593 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 11.018 | 97 | 430222 | 51.999 | ug/l | | 100 |
| 56) Ethyl methacrylate | 10.877 | 69 | 788964 | 52.358 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 11.165 | 76 | 752886 | 50.490 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63 | 1516728 | 279.066 | ug/l | | 100 |
| 59) 2-Hexanone | 11.200 | 43 | 3307497 | 258.918 | ug/l | | 100 |
| 60) Dibromochloromethane | 11.359 | 129 | 428633 | 52.591 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.471 | 107 | 426268 | 50.668 | ug/l | | 100 |
| 64) Tetrachloroethene | 11.106 | 164 | 270266 | 48.147 | ug/l | | 100 |
| 65) Chlorobenzene | 11.894 | 112 | 1063799 | 50.219 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131 | 381365 | 49.305 | ug/l | | 100 |
| 67) Ethyl Benzene | 11.965 | 91 | 2075211 | 52.557 | ug/l | | 100 |
| 68) m/p-Xylenes | 12.077 | 106 | 1568697 | 105.835 | ug/l | | 100 |
| 69) o-Xylene | 12.400 | 106 | 798306 | 52.497 | ug/l | | 100 |
| 70) Styrene | 12.412 | 104 | 1301791 | 54.302 | ug/l | | 100 |
| 71) Bromoform | 12.582 | 173 | 305885 | 51.843 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.700 | 105 | 2053897 | 48.383 | ug/l | | 100 |
| 74) N-amyl acetate | 12.494 | 43 | 1171270 | 45.634 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83 | 737465 | 43.894 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.994 | 75 | 661285m | 48.248 | ug/l | | |
| 77) Bromobenzene | 12.982 | 156 | 411899 | 46.964 | ug/l | | 100 |
| 78) n-propylbenzene | 13.035 | 91 | 2452791 | 50.153 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 13.129 | 91 | 1406038 | 47.412 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 13.176 | 105 | 1718413 | 50.756 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75 | 326048 | 48.246 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 13.224 | 91 | 1396856 | 50.801 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.441 | 119 | 1479463 | 50.569 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.482 | 105 | 1709525 | 49.937 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.618 | 105 | 2174355 | 51.143 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.735 | 119 | 1728060 | 52.671 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.735 | 146 | 824522 | 48.974 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.812 | 146 | 808763 | 50.859 | ug/l | | 100 |
| 89) n-Butylbenzene | 14.059 | 91 | 1510273 | 52.226 | ug/l | | 100 |
| 90) Hexachloroethane | 14.335 | 117 | 350649 | 47.800 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 14.106 | 146 | 815406 | 50.292 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75 | 156523 | 44.201 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 15.394 | 180 | 360605 | 50.846 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 15.506 | 225 | 149283 | 44.997 | ug/l | | 100 |
| 95) Naphthalene | 15.641 | 128 | 1602363 | 52.261 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.841 | 180 | 361842 | 47.475 | ug/l | | 100 |

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Quant Title : SW846 8260
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|---|---|---|---|---|---|---|

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

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