Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031119\
Data File : BM019097.D
Acq On : 11 Mar 2019 17:28
Operator : JU/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM031119

**Manual Integrations APPROVED**
Sohil
3/12/2019 4:45:14 PM

Quant Time: Mar 11 18:29:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 11 17:30:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.67 | 152 | 201371 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.46 | 136 | 927397 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.32 | 164 | 547836 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.07 | 188 | 1245534 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.28 | 240 | 1387463 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.52 | 264 | 1412362 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.26 | 112 | 982585 | 79.02 | ng | | 0.00 |
| 7) Phenol-d6 | 6.85 | 99 | 1475135 | 81.11 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.84 | 82 | 1579089 | 80.49 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.82 | 330 | 681560 | 84.26 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.93 | 172 | 3392390 | 80.55 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.72 | 244 | 5557750 | 79.52 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.22 | 88 | 205681 | 37.184 | ng | | 100 |
| 3) Pyridine | 3.62 | 79 | 546643 | 36.324 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.55 | 42 | 177735 | 37.990 | ng | | 98 |
| 6) Aniline | 7.01 | 93 | 946327 | 40.300 | ng | | 99 |
| 8) 2-Chlorophenol | 7.23 | 128 | 596465 | 39.918 | ng | | 99 |
| 9) Benzaldehyde | 6.83 | 77 | 469818 | 41.067 | ng | | 100 |
| 10) Phenol | 6.87 | 94 | 791287 | 40.369 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.11 | 93 | 599907 | 40.109 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.55 | 146 | 626448 | 39.616 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.70 | 146 | 632070 | 39.207 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.02 | 146 | 613247 | 39.098 | ng | | 99 |
| 15) Benzyl Alcohol | 7.92 | 79 | 616258 | 40.940 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.20 | 45 | 593951 | 38.891 | ng | | 99 |
| 17) 2-Methylphenol | 8.12 | 107 | 517846 | 40.542 | ng | | 99 |
| 18) Hexachloroethane | 8.73 | 117 | 238942 | 39.887 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.48 | 70 | 611648 | 40.992 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.45 | 107 | 708414 | 40.859 | ng | | 99 |
| 22) Acetophenone | 8.50 | 105 | 1035456 | 40.401 | ng | # | 99 |
| 24) Nitrobenzene | 8.88 | 77 | 826390 | 40.501 | ng | | 98 |
| 25) Isophorone | 9.40 | 82 | 1529521 | 40.857 | ng | | 100 |
| 26) 2-Nitrophenol | 9.58 | 139 | 356701 | 42.175 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.64 | 122 | 513182 | 40.814 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 9.88 | 93 | 899535 | 40.580 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.10 | 162 | 581359 | 41.748 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.32 | 180 | 625403 | 39.829 | ng | | 100 |
| 31) Naphthalene | 10.50 | 128 | 1944830 | 39.787 | ng | | 100 |
| 32) Benzoic acid | 9.81 | 122 | 426926m | 40.092 | ng | | |
| 33) 4-Chloroaniline | 10.63 | 127 | 821655 | 41.006 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.77 | 225 | 359662 | 39.914 | ng | | 98 |
| 35) Caprolactam | 11.45 | 113 | 213516m | 43.042 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.76 | 107 | 701853 | 40.847 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.12 | 142 | 1420460 | 39.990 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.35 | 142 | 1404011 | 40.102 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216 | 703458 | 40.593 | ng | | 99 |

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|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.46 | 237 | 326118 | 41.546 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.75 | 196 | 466848 | 41.686 | ng | 99 |
| 44) 2,4,5-Trichlorophenol | 12.82 | 196 | 510548 | 42.633 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.15 | 154 | 1921889 | 40.171 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.19 | 162 | 1447147 | 40.523 | ng | 99 |
| 48) 2-Nitroaniline | 13.42 | 65 | 514452 | 42.954 | ng | 98 |
| 49) Acenaphthylene | 14.05 | 152 | 2463083 | 40.791 | ng | 100 |
| 50) Dimethylphthalate | 13.79 | 163 | 1909903 | 40.753 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.92 | 165 | 426070 | 42.057 | ng | 96 |
| 52) Acenaphthene | 14.39 | 154 | 1397333 | 40.273 | ng | 100 |
| 53) 3-Nitroaniline | 14.26 | 138 | 438471 | 40.865 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.46 | 184 | 250365 | 42.554 | ng | 98 |
| 55) Dibenzofuran | 14.72 | 168 | 2249932 | 40.210 | ng | 99 |
| 56) 4-Nitrophenol | 14.56 | 139 | 370872 | 42.334 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.71 | 165 | 602638 | 40.980 | ng | 98 |
| 58) Fluorene | 15.37 | 166 | 1876584 | 40.687 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.95 | 232 | 461073 | 41.357 | ng | 100 |
| 60) Diethylphthalate | 15.16 | 149 | 1943131 | 40.939 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.37 | 204 | 905193 | 40.409 | ng | 99 |
| 62) 4-Nitroaniline | 15.43 | 138 | 450177 | 41.632 | ng | 99 |
| 63) Azobenzene | 15.66 | 77 | 2058918 | 41.223 | ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.47 | 198 | 333682 | 40.883 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 15.59 | 169 | 1588687 | 40.064 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.27 | 248 | 551470 | 40.150 | ng | 98 |
| 68) Hexachlorobenzene | 16.37 | 284 | 657396 | 40.258 | ng | 99 |
| 69) Atrazine | 16.55 | 200 | 552960 | 41.425 | ng | 99 |
| 70) Pentachlorophenol | 16.72 | 266 | 398223 | 40.477 | ng | 100 |
| 71) Phenanthrene | 17.12 | 178 | 2912465 | 39.894 | ng | 100 |
| 72) Anthracene | 17.21 | 178 | 2876087 | 40.242 | ng | 99 |
| 73) Carbazole | 17.49 | 167 | 2747205 | 40.727 | ng | 99 |
| 74) Di-n-butylphthalate | 18.04 | 149 | 3353653 | 41.114 | ng | 99 |
| 75) Fluoranthene | 19.14 | 202 | 3377799 | 40.322 | ng | 99 |
| 77) Benzidine | 19.34 | 184 | 1876386 | 47.685 | ng | 99 |
| 78) Pyrene | 19.51 | 202 | 3517615 | 40.070 | ng | 100 |
| 80) Butylbenzylphthalate | 20.41 | 149 | 1583684 | 41.419 | ng | 98 |
| 81) Benzo(a)anthracene | 21.26 | 228 | 3461994 | 39.773 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.20 | 252 | 1385528 | 41.319 | ng | 99 |
| 83) Chrysene | 21.32 | 228 | 3365894 | 39.970 | ng | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 2306810 | 41.469 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.06 | 149 | 3956142 | 42.235 | ng | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 25.79 | 276 | 3859491 | 42.576 | ng | 100 |
| 88) Benzo(b)fluoranthene | 22.84 | 252 | 3710920 | 40.549 | ng | 100 |
| 89) Benzo(k)fluoranthene | 22.89 | 252 | 3326836 | 39.522 | ng | 99 |
| 90) Benzo(a)pyrene | 23.42 | 252 | 3312912 | 40.282 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 25.80 | 278 | 3258784 | 41.421 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 26.49 | 276 | 2950643 | 40.850 | ng | 100 |

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

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