Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\
Data File : BM010984.D
Acq On : 26 Jul 2017 23:12
Operator : SJ/JU
Sample : PB100891BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PB100891BS

**Manual Integrations APPROVED**
Sohil
7/27/2017 6:21:37 PM

Quant Time: Jul 27 09:46:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 17:29:06 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.39 | 152 | 232741 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.15 | 136 | 1042452 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.05 | 164 | 776808 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 16.81 | 188 | 1981422 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.03 | 240 | 1817914 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.14 | 264 | 1224469 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.03 | 112 | 1840852 | 133.70 | ng | | 0.00 |
| 7) Phenol-d6 | 6.60 | 99 | 2514305 | 128.53 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.55 | 82 | 2109011 | 75.93 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.56 | 330 | 1512877 | 121.51 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 12.66 | 172 | 4843645 | 78.20 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.47 | 244 | 7490968 | 81.62 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.04 | 88 | 185917 | 30.075 | ng | # | 100 |
| 3) Pyridine | 3.41 | 79 | 565369 | 33.483 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.33 | 42 | 362901 | 42.174 | ng | # | 65 |
| 6) Aniline | 6.74 | 93 | 850696 | 34.504 | ng | | 90 |
| 8) 2-Chlorophenol | 6.97 | 128 | 580380 | 41.520 | ng | | 82 |
| 9) Benzaldehyde | 6.55 | 77 | 282347 | 22.308 | ng | | 88 |
| 10) Phenol | 6.62 | 94 | 871344 | 41.010 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.85 | 93 | 630777 | 38.101 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 7.28 | 146 | 637993 | 37.451 | ng | # | 83 |
| 13) 1,4-Dichlorobenzene | 7.43 | 146 | 660884 | 37.847 | ng | # | 92 |
| 14) 1,2-Dichlorobenzene | 7.74 | 146 | 630987 | 37.794 | ng | # | 92 |
| 15) Benzyl Alcohol | 7.64 | 79 | 841485 | 44.841 | ng | # | 81 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.92 | 45 | 596910 | 40.068 | ng | | 77 |
| 17) 2-Methylphenol | 7.85 | 107 | 578545 | 42.604 | ng | # | 78 |
| 18) Hexachloroethane | 8.45 | 117 | 291799 | 38.319 | ng | # | 81 |
| 19) n-Nitroso-di-n-propylamine | 8.20 | 70 | 673446 | 40.512 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.17 | 107 | 813695 | 43.106 | ng | # | 82 |
| 22) Acetophenone | 8.21 | 105 | 1095249 | 35.050 | ng | # | 94 |
| 24) Nitrobenzene | 8.58 | 77 | 1058127 | 36.764 | ng | # | 86 |
| 25) Isophorone | 9.11 | 82 | 1712876 | 36.987 | ng | # | 86 |
| 26) 2-Nitrophenol | 9.28 | 139 | 339715 | 37.095 | ng | # | 24 |
| 27) 2,4-Dimethylphenol | 9.36 | 122 | 639446 | 39.664 | ng | # | 75 |
| 28) bis(2-Chloroethoxy)methane | 9.59 | 93 | 983253 | 38.067 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.81 | 162 | 731880 | 40.400 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.02 | 180 | 853684 | 38.112 | ng | | 97 |
| 31) Naphthalene | 10.20 | 128 | 1998736 | 38.113 | ng | | 98 |
| 32) Benzoic acid | 9.52 | 122 | 438900 | 33.870 | ng | # | 57 |
| 33) 4-Chloroaniline | 10.33 | 127 | 377446 | 18.042 | ng | # | 74 |
| 34) Hexachlorobutadiene | 10.49 | 225 | 676912 | 38.369 | ng | | 97 |
| 35) Caprolactam | 11.12 | 113 | 205502m | 40.001 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.46 | 107 | 896919 | 38.343 | ng | # | 75 |
| 37) 2-Methylnaphthalene | 11.83 | 142 | 1613948 | 41.894 | ng | # | 88 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.21 | 216 | 1188581 | 35.614 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.19 | 237 | 1883828 | 96.871 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.46 | 196 | 761610 | 37.703 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 12.53 | 196 | 811878 | 39.023 | ng | # | 88 |
| 45) 1,1'-Biphenyl | 12.87 | 154 | 2321474 | 34.562 | ng | | 98 |
| 46) 2-Chloronaphthalene | 12.91 | 162 | 1843715 | 37.255 | ng | | 95 |
| 47) 2-Nitroaniline | 13.13 | 65 | 710357 | 40.573 | ng | # | 65 |
| 48) Acenaphthylene | 13.77 | 152 | 2772763 | 37.542 | ng | | 99 |
| 49) Dimethylphthalate | 13.53 | 163 | 2432423 | 36.604 | ng | # | 99 |
| 50) 2,6-Dinitrotoluene | 13.64 | 165 | 508328 | 37.828 | ng | # | 63 |
| 51) Acenaphthene | 14.12 | 154 | 1721717 | 37.649 | ng | | 98 |
| 52) 3-Nitroaniline | 13.97 | 138 | 372384 | 31.934 | ng | # | 47 |
| 53) 2,4-Dinitrophenol | 14.18 | 184 | 723833 | 75.792 | ng | # | 90 |
| 54) Dibenzofuran | 14.46 | 168 | 3024591 | 40.818 | ng | # | 91 |
| 55) 4-Nitrophenol | 14.30 | 139 | 764504 | 74.621 | ng | | 88 |
| 56) 2,4-Dinitrotoluene | 14.44 | 165 | 746249 | 39.557 | ng | | 94 |
| 57) Fluorene | 15.11 | 166 | 2511093 | 38.923 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.69 | 232 | 842166 | 43.186 | ng | # | 100 |
| 59) Diethylphthalate | 14.91 | 149 | 2592015 | 38.193 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.12 | 204 | 1529766 | 39.274 | ng | | 98 |
| 61) 4-Nitroaniline | 15.14 | 138 | 476841 | 38.498 | ng | # | 1 |
| 62) Azobenzene | 15.41 | 77 | 3170660 | 43.653 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 15.20 | 198 | 497468 | 37.086 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 15.33 | 169 | 2210977 | 38.991 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.01 | 248 | 1021859 | 40.117 | ng | # | 89 |
| 67) Hexachlorobenzene | 16.12 | 284 | 1049451 | 36.460 | ng | # | 88 |
| 68) Atrazine | 16.30 | 200 | 906336 | 39.884 | ng | | 96 |
| 69) Pentachlorophenol | 16.46 | 266 | 1363407 | 74.610 | ng | | 97 |
| 70) Phenanthrene | 16.85 | 178 | 4125406 | 39.762 | ng | | 99 |
| 71) Anthracene | 16.94 | 178 | 4149659 | 40.104 | ng | | 99 |
| 72) Carbazole | 17.22 | 167 | 3420260 | 37.797 | ng | | 100 |
| 73) Di-n-butylphthalate | 17.80 | 149 | 4282098 | 38.859 | ng | # | 97 |
| 74) Fluoranthene | 18.88 | 202 | 4956890 | 38.553 | ng | | 98 |
| 76) Benzidine | 19.09 | 184 | 2132064 | 49.025 | ng | | 100 |
| 77) Pyrene | 19.24 | 202 | 4832909 | 44.742 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.19 | 149 | 1704660 | 44.379 | ng | # | 71 |
| 80) Benzo(a)anthracene | 21.01 | 228 | 4157041 | 40.048 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 20.96 | 252 | 1084319 | 26.628 | ng | # | 95 |
| 82) Chrysene | 21.06 | 228 | 3824279 | 38.381 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 20.97 | 149 | 2338496 | 41.384 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 21.82 | 149 | 3422624 | 37.319 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 25.21 | 276 | 2713106 | 26.292 | ng | # | 97 |
| 87) Benzo(b)fluoranthene | 22.51 | 252 | 3356718 | 42.713 | ng | # | 93 |
| 88) Benzo(k)fluoranthene | 22.56 | 252 | 3047155 | 40.454 | ng | # | 95 |
| 89) Benzo(a)pyrene | 23.05 | 252 | 2844844 | 40.005 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 25.23 | 278 | 2234175 | 33.891 | ng | # | 91 |
| 91) Benzo(g,h,i)perylene | 25.84 | 276 | 2184886 | 33.752 | ng | # | 86 |

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

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