Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081917\
Data File : BM011313.D
Acq On : 19 Aug 2017 12:01
Operator : SJ/JU
Sample : PB101645BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 01:58:49 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 16 02:25:04 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB101645BS

**Manual Integrations APPROVED**
Sohil
8/21/2017 5:20:48 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.27 | 152 | 179739 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.02 | 136 | 648448 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 13.94 | 164 | 431048 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 16.70 | 188 | 1053268 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 20.93 | 240 | 1154291 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 22.99 | 264 | 1107098 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.91 | 112 | 1149069 | 108.07 | ng | | -0.02 |
| 7) Phenol-d6 | 6.48 | 99 | 1669580 | 110.52 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 8.42 | 82 | 1438734 | 83.27 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 15.45 | 330 | 690869 | 100.00 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 12.55 | 172 | 2460405 | 71.59 | ng | | -0.02 |
| 78) Terphenyl-d14 | 19.37 | 244 | 3761326 | 64.55 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.90 | 88 | 132908 | 27.840 | ng | # | 100 |
| 3) Pyridine | 3.28 | 79 | 403485 | 30.942 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.20 | 42 | 256148 | 38.546 | ng | # | 71 |
| 6) Aniline | 6.62 | 93 | 547845 | 28.773 | ng | # | 82 |
| 8) 2-Chlorophenol | 6.85 | 128 | 338707 | 31.376 | ng | # | 72 |
| 9) Benzaldehyde | 6.43 | 77 | 401817 | 41.108 | ng | # | 71 |
| 10) Phenol | 6.50 | 94 | 564898 | 34.427 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.72 | 93 | 414059 | 32.386 | ng | | 83 |
| 12) 1,3-Dichlorobenzene | 7.16 | 146 | 393227 | 29.890 | ng | # | 77 |
| 13) 1,4-Dichlorobenzene | 7.30 | 146 | 410809 | 30.464 | ng | # | 90 |
| 14) 1,2-Dichlorobenzene | 7.61 | 146 | 389695 | 30.224 | ng | # | 87 |
| 15) Benzyl Alcohol | 7.52 | 79 | 530205 | 36.585 | ng | # | 77 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.81 | 45 | 448485 | 38.982 | ng | | 77 |
| 17) 2-Methylphenol | 7.73 | 107 | 359767 | 34.306 | ng | # | 70 |
| 18) Hexachloroethane | 8.32 | 117 | 185164 | 31.486 | ng | # | 79 |
| 19) n-Nitroso-di-n-propylamine | 8.08 | 70 | 473844 | 36.910 | ng | # | 90 |
| 20) 3+4-Methylphenols | 8.05 | 107 | 478196 | 32.803 | ng | # | 80 |
| 22) Acetophenone | 8.09 | 105 | 670847 | 34.513 | ng | # | 87 |
| 24) Nitrobenzene | 8.46 | 77 | 726051 | 40.554 | ng | # | 81 |
| 25) Isophorone | 8.98 | 82 | 1103427 | 38.304 | ng | # | 83 |
| 26) 2-Nitrophenol | 9.16 | 139 | 191469 | 33.611 | ng | # | 7 |
| 27) 2,4-Dimethylphenol | 9.24 | 122 | 337394 | 33.644 | ng | # | 70 |
| 28) bis(2-Chloroethoxy)methane | 9.47 | 93 | 578368 | 35.998 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 9.69 | 162 | 369545 | 32.794 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 9.89 | 180 | 469404 | 33.689 | ng | | 96 |
| 31) Naphthalene | 10.07 | 128 | 1079669 | 33.097 | ng | | 99 |
| 32) Benzoic acid | 9.37 | 122 | 212966 | 26.420 | ng | # | 36 |
| 33) 4-Chloroaniline | 10.21 | 127 | 182044 | 13.989 | ng | # | 60 |
| 34) Hexachlorobutadiene | 10.36 | 225 | 379262 | 34.560 | ng | | 94 |
| 35) Caprolactam | 10.99 | 113 | 110348m | 34.530 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.35 | 107 | 477178 | 32.794 | ng | # | 71 |
| 37) 2-Methylnaphthalene | 11.70 | 142 | 838160 | 34.976 | ng | # | 84 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.09 | 216 | 614163 | 33.164 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.06 | 237 | 905109 | 83.876 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.35 | 196 | 372445 | 33.227 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 12.42 | 196 | 396053 | 34.306 | ng | # | 86 |
| 45) 1,1'-Biphenyl | 12.76 | 154 | 1121927 | 30.101 | ng | | 95 |
| 46) 2-Chloronaphthalene | 12.79 | 162 | 905928 | 32.989 | ng | # | 92 |
| 47) 2-Nitroaniline | 13.02 | 65 | 404954 | 41.682 | ng | # | 60 |
| 48) Acenaphthylene | 13.65 | 152 | 1366941 | 33.354 | ng | | 99 |
| 49) Dimethylphthalate | 13.42 | 163 | 1187441 | 32.202 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 13.53 | 165 | 249390 | 33.445 | ng | # | 35 |
| 51) Acenaphthene | 14.00 | 154 | 821131 | 32.358 | ng | | 99 |
| 52) 3-Nitroaniline | 13.86 | 138 | 198955 | 30.747 | ng | # | 20 |
| 53) 2,4-Dinitrophenol | 14.07 | 184 | 360662 | 68.057 | ng | # | 77 |
| 54) Dibenzofuran | 14.35 | 168 | 1432404 | 34.837 | ng | # | 90 |
| 55) 4-Nitrophenol | 14.20 | 139 | 300023 | 52.774 | ng | # | 78 |
| 56) 2,4-Dinitrotoluene | 14.33 | 165 | 345494 | 33.004 | ng | # | 67 |
| 57) Fluorene | 15.00 | 166 | 1170268 | 32.690 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.58 | 232 | 417853 | 38.615 | ng | # | 100 |
| 59) Diethylphthalate | 14.80 | 149 | 1166824 | 30.984 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.00 | 204 | 703551 | 32.551 | ng | | 95 |
| 61) 4-Nitroaniline | 15.04 | 138 | 169702 | 24.691 | ng | # | 1 |
| 62) Azobenzene | 15.30 | 77 | 1728788 | 42.894 | ng | | 84 |
| 64) 4,6-Dinitro-2-methylphenol | 15.10 | 198 | 250765 | 35.168 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 15.23 | 169 | 1042842 | 34.597 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 15.90 | 248 | 456771 | 33.734 | ng | # | 91 |
| 67) Hexachlorobenzene | 16.00 | 284 | 469456 | 30.682 | ng | # | 82 |
| 68) Atrazine | 16.20 | 200 | 414556 | 34.319 | ng | | 98 |
| 69) Pentachlorophenol | 16.36 | 266 | 629424 | 64.797 | ng | | 97 |
| 70) Phenanthrene | 16.74 | 178 | 1962119 | 35.577 | ng | | 99 |
| 71) Anthracene | 16.83 | 178 | 1959952 | 35.633 | ng | | 99 |
| 72) Carbazole | 17.12 | 167 | 1594665 | 33.152 | ng | | 99 |
| 73) Di-n-butylphthalate | 17.70 | 149 | 1907116 | 32.557 | ng | # | 95 |
| 74) Fluoranthene | 18.77 | 202 | 2454644 | 35.915 | ng | | 99 |
| 76) Benzidine | 18.99 | 184 | 1706253 | 61.790 | ng | | 98 |
| 77) Pyrene | 19.14 | 202 | 2430744 | 35.441 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.09 | 149 | 822529 | 33.725 | ng | # | 52 |
| 80) Benzo(a)anthracene | 20.91 | 228 | 2347625 | 35.619 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 20.86 | 252 | 824716 | 31.897 | ng | # | 96 |
| 82) Chrysene | 20.96 | 228 | 2197930 | 34.741 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 20.88 | 149 | 1144883 | 31.909 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 21.72 | 149 | 1824533 | 31.332 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 25.00 | 276 | 2697850 | 41.174 | ng | # | 96 |
| 87) Benzo(b)fluoranthene | 22.39 | 252 | 2351994 | 33.101 | ng | # | 91 |
| 88) Benzo(k)fluoranthene | 22.43 | 252 | 2249649 | 33.033 | ng | # | 93 |
| 89) Benzo(a)pyrene | 22.90 | 252 | 2294386 | 35.685 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 25.02 | 278 | 2240059 | 37.582 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 25.61 | 276 | 2304323 | 39.371 | ng | # | 84 |

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

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