Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
Data File : BF088711.D
Acq On : 5 Jul 2016 19:11
Operator : UM/SJ
Sample : PB91760BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB91760BS

Quant Time: Jul 06 02:01:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 17:15:08 2016
Response via : Initial Calibration

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7/6/2016 7:19:18 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.78 | 152 | 106847 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.06 | 136 | 430751 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 210665 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.29 | 188 | 397690 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.92 | 240 | 248932 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.30 | 264 | 199232 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 702437 | 98.53 | ng | | 0.01 |
| 7) Phenol-d6 | 6.42 | 99 | 992380 | 107.73 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 713113 | 86.76 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 280866 | 143.57 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.14 | 172 | 1183722 | 88.76 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.87 | 244 | 986341 | 88.25 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Pyridine | 3.08 | 79 | 292730 | 28.54 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.04 | 42 | 125205 | 31.95 | ng | | 88 |
| 6) Aniline | 6.43 | 93 | 333015 | 24.81 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.56 | 128 | 285640 | 37.28 | ng | | 96 |
| 9) Benzaldehyde | 6.32 | 77 | 243865 | 39.08 | ng | | 87 |
| 10) Phenol | 6.43 | 94 | 421087 | 40.05 | ng | # | 70 |
| 11) bis(2-Chloroethyl)ether | 6.51 | 93 | 263327 | 33.59 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.72 | 146 | 315364 | 37.40 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 303863 | 36.31 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.95 | 146 | 302462m | 38.61 | ng | | |
| 15) Benzyl Alcohol | 6.92 | 79 | 288989 | 42.62 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 344147 | 30.31 | ng | | 90 |
| 17) 2-Methylphenol | 7.04 | 107 | 250613 | 40.09 | ng | | 96 |
| 18) Hexachloroethane | 7.29 | 117 | 124456 | 38.44 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 210054 | 33.95 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.20 | 107 | 326686 | 43.55 | ng | | 89 |
| 22) Acetophenone | 7.19 | 105 | 416955 | 39.88 | ng | # | 88 |
| 24) Nitrobenzene | 7.36 | 77 | 314274 | 37.92 | ng | # | 83 |
| 25) Isophorone | 7.60 | 82 | 631122 | 41.45 | ng | | 95 |
| 26) 2-Nitrophenol | 7.68 | 139 | 169197 | 49.79 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.72 | 122 | 299679 | 42.34 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 370705 | 37.41 | ng | # | 95 |
| 29) 2,4-Dichlorophenol | 7.92 | 162 | 239335 | 41.84 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.00 | 180 | 258056 | 41.11 | ng | | 98 |
| 31) Naphthalene | 8.08 | 128 | 842463 | 39.67 | ng | | 100 |
| 32) Benzoic acid | 7.80 | 122 | 43269 | 8.42 | ng | | 91 |
| 33) 4-Chloroaniline | 8.14 | 127 | 189672 | 20.07 | ng | # | 92 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 137208 | 40.82 | ng | | 98 |
| 35) Caprolactam | 8.50 | 113 | 81517m | 41.96 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.62 | 107 | 297197 | 43.93 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.78 | 142 | 598910 | 43.80 | ng | # | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 234964 | 33.53 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.94 | 237 | 269958 | 78.50 | ng | | 98 |
| 42) 2,4,6-Trichlorophenol | 9.05 | 196 | 179498 | 38.85 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.10 | 196 | 189061 | 47.57 | ng | | 99 |
| 45) 1,1'-Biphenyl | 9.23 | 154 | 670766 | 38.45 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.26 | 162 | 518120 | 37.83 | ng | | 96 |
| 47) 2-Nitroaniline | 9.36 | 65 | 207140 | 42.62 | ng | # | 82 |
| 48) Acenaphthylene | 9.68 | 152 | 917529 | 42.11 | ng | | 99 |
| 49) Dimethylphthalate | 9.54 | 163 | 608550 | 40.55 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.60 | 165 | 134419 | 40.41 | ng | # | 47 |
| 51) Acenaphthene | 9.85 | 154 | 557529 | 41.74 | ng | | 99 |
| 52) 3-Nitroaniline | 9.76 | 138 | 90642 | 21.44 | ng | | 84 |
| 53) 2,4-Dinitrophenol | 9.87 | 184 | 47958 | 32.65 | ng | # | 80 |
| 54) Dibenzofuran | 10.02 | 168 | 800242 | 45.77 | ng | | 95 |
| 55) 4-Nitrophenol | 9.94 | 139 | 280281 | 87.22 | ng | # | 80 |
| 56) 2,4-Dinitrotoluene | 10.00 | 165 | 181757 | 41.79 | ng | # | 39 |
| 57) Fluorene | 10.35 | 166 | 548306 | 40.70 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.14 | 232 | 145605 | 47.35 | ng | # | 47 |
| 59) Diethylphthalate | 10.24 | 149 | 627914 | 41.69 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.35 | 204 | 261233 | 41.73 | ng | | 96 |
| 61) 4-Nitroaniline | 10.38 | 138 | 151505 | 37.23 | ng | | 85 |
| 62) Azobenzene | 10.51 | 77 | 788709 | 45.91 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.41 | 198 | 59863 | 28.14 | ng | # | 75 |
| 65) n-Nitrosodiphenylamine | 10.48 | 169 | 542076 | 40.27 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.84 | 248 | 170799 | 42.62 | ng | | 93 |
| 67) Hexachlorobenzene | 10.90 | 284 | 164840 | 37.16 | ng | | 95 |
| 68) Atrazine | 11.00 | 200 | 186228 | 44.40 | ng | | 93 |
| 69) Pentachlorophenol | 11.10 | 266 | 145533 | 55.43 | ng | | 97 |
| 70) Phenanthrene | 11.31 | 178 | 816060 | 37.54 | ng | | 99 |
| 71) Anthracene | 11.37 | 178 | 919733 | 42.55 | ng | | 99 |
| 72) Carbazole | 11.52 | 167 | 758127 | 37.26 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.86 | 149 | 1068253 | 45.14 | ng | | 99 |
| 74) Fluoranthene | 12.49 | 202 | 816764 | 37.06 | ng | | 97 |
| 76) Benzidine | 12.62 | 184 | 539523 | 42.88 | ng | | 98 |
| 77) Pyrene | 12.72 | 202 | 810971 | 38.42 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.35 | 149 | 415034 | 44.08 | ng | # | 83 |
| 80) Benzo(a)anthracene | 13.91 | 228 | 686436 | 42.82 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.87 | 252 | 130284 | 21.62 | ng | | 100 |
| 82) Chrysene | 13.94 | 228 | 672942 | 42.43 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.91 | 149 | 483694 | 45.00 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.51 | 149 | 758143 | 41.52 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.64 | 276 | 550589 | 45.13 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.91 | 252 | 552901m | 44.24 | ng | | |
| 88) Benzo(k)fluoranthene | 14.94 | 252 | 451014m | 41.45 | ng | | |
| 89) Benzo(a)pyrene | 15.25 | 252 | 470021 | 44.42 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.65 | 278 | 447540 | 50.65 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.04 | 276 | 467546 | 51.13 | ng | | 96 |

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

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