Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030416\
Data File : BF085237.D
Acq On : 5 Mar 2016 7:16
Operator : SJ/IZ
Sample : H1683-04MS
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-16-COMP(0.5-5.0)MS

**Manual Integrations APPROVED**
UMANGI
3/7/2016 3:30:53 PM

Quant Time: Mar 07 12:24:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 163878 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.26 | 136 | 606704 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.01 | 164 | 261331 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.50 | 188 | 397362 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.14 | 240 | 271787 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.60 | 264 | 276594 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 1416253 | 144.96 | ng | | 0.01 |
| 7) Phenol-d6 | 6.61 | 99 | 1700540 | 132.86 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 1157930 | 102.13 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 357499 | 159.88 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.34 | 172 | 1470636 | 85.58 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.09 | 244 | 1034437 | 88.35 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.72 | 88 | 208966 | 41.83 | ng | | 99 |
| 3) Pyridine | 3.49 | 79 | 604114 | 48.31 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.44 | 42 | 274412 | 51.28 | ng | | 100 |
| 6) Aniline | 6.64 | 93 | 523672 | 29.19 | ng | | 96 |
| 8) 2-Chlorophenol | 6.76 | 128 | 487761 | 41.47 | ng | | 94 |
| 9) Benzaldehyde | 6.52 | 77 | 179865 | 27.40 | ng | | 98 |
| 10) Phenol | 6.62 | 94 | 735387m | 53.64 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.71 | 93 | 523547 | 45.98 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.92 | 146 | 561891 | 44.50 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.00 | 146 | 547827m | 43.29 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.14 | 146 | 511787 | 44.57 | ng | | 99 |
| 15) Benzyl Alcohol | 7.11 | 79 | 428985 | 45.66 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45 | 643725 | 39.22 | ng | | 98 |
| 17) 2-Methylphenol | 7.22 | 107 | 455197 | 47.43 | ng | | 96 |
| 18) Hexachloroethane | 7.49 | 117 | 214929 | 46.04 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.40 | 70 | 380316 | 45.59 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 509316 | 44.80 | ng | | 98 |
| 22) Acetophenone | 7.38 | 105 | 684413 | 46.22 | ng | # | 98 |
| 24) Nitrobenzene | 7.56 | 77 | 524501 | 45.54 | ng | | 99 |
| 25) Isophorone | 7.80 | 82 | 1031227 | 49.08 | ng | | 98 |
| 26) 2-Nitrophenol | 7.88 | 139 | 290324 | 51.80 | ng | # | 89 |
| 27) 2,4-Dimethylphenol | 7.91 | 122 | 516535 | 50.43 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93 | 579915 | 49.56 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.12 | 162 | 429407 | 51.98 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.20 | 180 | 423412 | 47.41 | ng | | 98 |
| 31) Naphthalene | 8.29 | 128 | 1484914 | 49.78 | ng | | 98 |
| 32) Benzoic acid | 7.98 | 122 | 75667 | 11.12 | ng | # | 49 |
| 33) 4-Chloroaniline | 8.32 | 127 | 230886 | 19.13 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.40 | 225 | 238870 | 51.40 | ng | | 99 |
| 35) Caprolactam | 8.69 | 113 | 173417 | 64.28 | ng | # | 87 |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 468744 | 50.02 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.97 | 142 | 890762 | 46.53 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216 | 376856 | 50.42 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 9.13 | 237 | 226348 | 56.15 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.25 | 196 | 259740 | 46.69 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.29 | 196 | 261122 | 49.50 | ng | | 99 |
| 45) 1,1'-Biphenyl | 9.44 | 154 | 1099926 | 49.27 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.46 | 162 | 825793 | 48.52 | ng | | 94 |
| 47) 2-Nitroaniline | 9.56 | 65 | 290951 | 55.17 | ng | | 89 |
| 48) Acenaphthylene | 9.88 | 152 | 1295478 | 48.91 | ng | | 98 |
| 49) Dimethylphthalate | 9.74 | 163 | 1033121 | 51.51 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.80 | 165 | 197512 | 46.03 | ng | # | 81 |
| 51) Acenaphthene | 10.05 | 154 | 838550 | 52.14 | ng | | 99 |
| 52) 3-Nitroaniline | 9.97 | 138 | 208584 | 40.63 | ng | # | 98 |
| 53) 2,4-Dinitrophenol | 10.07 | 184 | 62867 | 34.00 | ng | # | 48 |
| 54) Dibenzofuran | 10.23 | 168 | 1110426 | 52.70 | ng | | 92 |
| 55) 4-Nitrophenol | 10.13 | 139 | 397262 | 98.47 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.21 | 165 | 303679 | 55.30 | ng | # | 66 |
| 57) Fluorene | 10.57 | 166 | 855843 | 51.71 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.34 | 232 | 206026 | 55.60 | ng | # | 97 |
| 59) Diethylphthalate | 10.44 | 149 | 897509 | 46.11 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.56 | 204 | 408911 | 50.78 | ng | # | 85 |
| 61) 4-Nitroaniline | 10.57 | 138 | 176177 | 36.69 | ng | | 99 |
| 62) Azobenzene | 10.72 | 77 | 890355 | 46.43 | ng | | 83 |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 68825 | 28.93 | ng | # | 49 |
| 65) n-Nitrosodiphenylamine | 10.68 | 169 | 802277 | 64.91 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 11.05 | 248 | 213423 | 55.31 | ng | # | 81 |
| 67) Hexachlorobenzene | 11.12 | 284 | 225404 | 54.76 | ng | # | 91 |
| 68) Atrazine | 11.20 | 200 | 225057 | 65.48 | ng | | 97 |
| 69) Pentachlorophenol | 11.30 | 266 | 216305 | 94.67 | ng | | 99 |
| 70) Phenanthrene | 11.53 | 178 | 1477465 | 70.95 | ng | | 99 |
| 71) Anthracene | 11.58 | 178 | 1135740 | 51.37 | ng | | 99 |
| 72) Carbazole | 11.73 | 167 | 850812 | 43.89 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.06 | 149 | 1197722 | 48.88 | ng | | 99 |
| 74) Fluoranthene | 12.72 | 202 | 1906365 | 91.22 | ng | | 97 |
| 76) Benzidine | 12.84 | 184 | 345361 | 42.70 | ng | | 98 |
| 77) Pyrene | 12.95 | 202 | 1762551 | 86.16 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.56 | 149 | 459099 | 49.46 | ng | # | 78 |
| 80) Benzo(a)anthracene | 14.13 | 228 | 1203217 | 73.95 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.08 | 252 | 119662 | 23.31 | ng | | 98 |
| 82) Chrysene | 14.16 | 228 | 844949 | 56.22 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149 | 593893 | 48.62 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 14.72 | 149 | 949400 | 51.04 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.09 | 276 | 973591 | 83.00 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.18 | 252 | 1476094m | 80.07 | ng | | |
| 88) Benzo(k)fluoranthene | 15.21 | 252 | 626400m | 42.12 | ng | | |
| 89) Benzo(a)pyrene | 15.56 | 252 | 1056417 | 69.15 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.11 | 278 | 757466m | 58.08 | ng | | |
| 91) Benzo(g,h,i)perylene | 17.55 | 276 | 793623 | 60.52 | ng | | 96 |

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

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