Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101662.D
Acq On : 22 Dec 2017 19:15
Operator : SJ/JU
Sample : I7002-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-106-3DS(16-20)MS

Quant Time: Dec 22 22:34:40 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 16:07:58 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 142330 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 541651 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 227317 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 373981 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 269012 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.43 | 264 | 258581 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 1123383 | 117.57 | ng | | 0.01 |
| 7) Phenol-d6 | 6.44 | 99 | 1293748 | 108.79 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 816690 | 83.93 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 247848 | 113.15 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 1176312 | 80.27 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.90 | 244 | 917431 | 82.22 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.56 | 88 | 161888 | 32.973 | ng | | 93 |
| 3) Pyridine | 3.33 | 79 | 397999 | 29.176 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.28 | 42 | 215332 | 34.284 | ng | # | 99 |
| 6) Aniline | 6.46 | 93 | 241647 | 14.623 | ng | # | 80 |
| 8) 2-Chlorophenol | 6.58 | 128 | 354171 | 35.236 | ng | | 99 |
| 9) Benzaldehyde | 6.35 | 77 | 193612 | 22.046 | ng | | 96 |
| 10) Phenol | 6.45 | 94 | 494562 | 36.489 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 377874 | 35.543 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 392105 | 34.565 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 402014 | 34.703 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 358782 | 34.408 | ng | | 99 |
| 15) Benzyl Alcohol | 6.94 | 79 | 267461 | 32.677 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 613671 | 37.716 | ng | | 71 |
| 17) 2-Methylphenol | 7.06 | 107 | 295481 | 31.959 | ng | # | 87 |
| 18) Hexachloroethane | 7.29 | 117 | 123702 | 30.713 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 255937 | 32.773 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 401434 | 40.973 | ng | # | 87 |
| 22) Acetophenone | 7.20 | 105 | 511913 | 41.420 | ng | # | 95 |
| 24) Nitrobenzene | 7.38 | 77 | 400414 | 37.182 | ng | | 100 |
| 25) Isophorone | 7.62 | 82 | 723532 | 37.066 | ng | | 97 |
| 26) 2-Nitrophenol | 7.69 | 139 | 189312 | 40.918 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 318056 | 40.465 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 456070 | 36.782 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 301055 | 38.769 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 290643 | 35.467 | ng | | 94 |
| 31) Naphthalene | 8.09 | 128 | 978583 | 35.887 | ng | | 100 |
| 32) Benzoic acid | 7.85 | 122 | 14559 | 10.254 | ng | | 96 |
| 33) 4-Chloroaniline | 8.16 | 127 | 125609 | 10.598 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 169861 | 35.839 | ng | | 96 |
| 35) Caprolactam | 8.53 | 113 | 98293 | 36.454 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 302843 | 35.483 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 624902 | 35.174 | ng | | 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 295865 | 38.550 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 8.93 | 237 | 2094 | 13.193 | ng | | 86 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.07 | 196 | 186076 | 40.272 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.12 | 196 | 185201 | 36.608 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.25 | 154 | 750050 | 37.206 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.27 | 162 | 557310 | 36.130 | ng | | 98 |
| 47) 2-Nitroaniline | 9.39 | 65 | 205703 | 38.603 | ng | | 94 |
| 48) Acenaphthylene | 9.69 | 152 | 803567 | 32.982 | ng | | 100 |
| 49) Dimethylphthalate | 9.55 | 163 | 745288 | 40.761 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.62 | 165 | 133820 | 36.010 | ng | # | 81 |
| 51) Acenaphthene | 9.86 | 154 | 490806 | 33.530 | ng | | 98 |
| 52) 3-Nitroaniline | 9.80 | 138 | 103987 | 22.444 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.95 | 184 | 7096 | 15.095 | ng | # | 21 |
| 54) Dibenzofuran | 10.03 | 168 | 691446 | 37.170 | ng | | 99 |
| 55) 4-Nitrophenol | 9.98 | 139 | 142897 | 70.732 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 10.04 | 165 | 165353 | 39.493 | ng | # | 97 |
| 57) Fluorene | 10.37 | 166 | 552188 | 35.090 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 145416 | 40.007 | ng | # | 86 |
| 59) Diethylphthalate | 10.24 | 149 | 624697 | 34.500 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204 | 271234 | 35.964 | ng | | 94 |
| 61) 4-Nitroaniline | 10.42 | 138 | 127808 | 27.444 | ng | | 98 |
| 62) Azobenzene | 10.53 | 77 | 618633 | 32.981 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 22162 | 11.613 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 10.49 | 169 | 514534 | 37.261 | ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 10.85 | 248 | 163530 | 38.916 | ng | | 93 |
| 67) Hexachlorobenzene | 10.93 | 284 | 158553 | 35.650 | ng | | 92 |
| 68) Atrazine | 11.02 | 200 | 159489 | 38.734 | ng | | 96 |
| 69) Pentachlorophenol | 11.13 | 266 | 123956 | 72.354 | ng | | 98 |
| 70) Phenanthrene | 11.34 | 178 | 742383 | 35.696 | ng | | 99 |
| 71) Anthracene | 11.39 | 178 | 748987 | 35.256 | ng | | 100 |
| 72) Carbazole | 11.56 | 167 | 677903 | 34.082 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.87 | 149 | 898509 | 37.219 | ng | | 99 |
| 74) Fluoranthene | 12.53 | 202 | 715605 | 32.781 | ng | | 99 |
| 76) Benzidine | 12.66 | 184 | 323546 | 28.477 | ng | | 99 |
| 77) Pyrene | 12.76 | 202 | 723438 | 35.833 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.37 | 149 | 334000 | 36.562 | ng | | 95 |
| 80) Benzo(a)anthracene | 13.96 | 228 | 629289 | 35.426 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.92 | 252 | 172877 | 29.847 | ng | # | 98 |
| 82) Chrysene | 13.99 | 228 | 599462 | 35.742 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 446232 | 38.565 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.53 | 149 | 762423 | 36.947 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.92 | 276 | 524066 | 35.089 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.01 | 252 | 570625 | 36.205 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 512781 | 33.462 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.37 | 252 | 520246 | 35.806 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.91 | 278 | 445011 | 35.673 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.36 | 276 | 433962 | 35.131 | ng | | 95 |

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

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