Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105040.D
Acq On : 2 May 2018 19:23
Operator : JU/SJ
Sample : PB108708BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB108708BS

Quant Time: May 03 04:24:55 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 02 17:25:18 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 83076 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 347335 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 153980 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 255413 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.05 | 240 | 183843 | 20.00 | ng | | 0.02 |
| 86) Perylene-d12 | 15.64 | 264 | 148157 | 20.00 | ng | | 0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 593126 | 109.17 | ng | | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 711081 | 106.52 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 430387 | 80.91 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 170362 | 106.66 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 831269 | 85.28 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 700425 | 86.86 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.55 | 88 | 62194 | 24.567 | ng | | 87 |
| 3) Pyridine | 3.29 | 79 | 176069 | 24.736 | ng | | 86 |
| 4) n-Nitrosodimethylamine | 3.24 | 42 | 67599 | 27.169 | ng | # | 82 |
| 6) Aniline | 6.46 | 93 | 89090 | 9.606 | ng | # | 88 |
| 8) 2-Chlorophenol | 6.58 | 128 | 190280 | 33.181 | ng | | 91 |
| 9) Benzaldehyde | 6.34 | 77 | 59877 | 13.960 | ng | | 99 |
| 10) Phenol | 6.45 | 94 | 219018 | 30.921 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 167074 | 29.559 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 198312 | 30.526 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 202614 | 31.287 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 190117 | 31.679 | ng | | 99 |
| 15) Benzyl Alcohol | 6.94 | 79 | 146809 | 28.955 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 187516 | 24.703 | ng | | 55 |
| 17) 2-Methylphenol | 7.05 | 107 | 152073 | 30.508 | ng | | 95 |
| 18) Hexachloroethane | 7.30 | 117 | 60628 | 26.258 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 116349 | 26.672 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 201752 | 32.634 | ng | # | 88 |
| 22) Acetophenone | 7.20 | 105 | 253713 | 29.670 | ng | # | 97 |
| 24) Nitrobenzene | 7.38 | 77 | 185781 | 31.634 | ng | | 93 |
| 25) Isophorone | 7.62 | 82 | 331333 | 29.456 | ng | | 99 |
| 26) 2-Nitrophenol | 7.69 | 139 | 90965 | 38.048 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 165225 | 33.283 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 216296 | 31.451 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.94 | 162 | 156967 | 33.139 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 161165 | 31.004 | ng | | 99 |
| 31) Naphthalene | 8.10 | 128 | 536121 | 30.998 | ng | | 99 |
| 32) Benzoic acid | 7.86 | 122 | 68880 | 17.390 | ng | | 96 |
| 33) 4-Chloroaniline | 8.15 | 127 | 46704 | 6.303 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 87832 | 30.848 | ng | | 99 |
| 35) Caprolactam | 8.52 | 113 | 48239 | 29.194 | ng | # | 73 |
| 36) 4-Chloro-3-methylphenol | 8.64 | 107 | 162947 | 32.083 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 356267 | 31.845 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 152414 | 34.578 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.93 | 237 | 9186 | 3.723 | ng | | 96 |

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|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.07 | 196 | 99035 | 32.366 ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.12 | 196 | 107716 | 31.459 ng | | 93 |
| 45) 1,1'-Biphenyl | 9.25 | 154 | 422075 | 32.629 ng | | 99 |
| 46) 2-Chloronaphthalene | 9.28 | 162 | 324054 | 31.716 ng | | 99 |
| 47) 2-Nitroaniline | 9.38 | 65 | 92774 | 36.717 ng | | 95 |
| 48) Acenaphthylene | 9.69 | 152 | 484846 | 30.245 ng | | 99 |
| 49) Dimethylphthalate | 9.55 | 163 | 389488 | 32.076 ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.62 | 165 | 81185 | 36.133 ng | | 96 |
| 51) Acenaphthene | 9.86 | 154 | 284098 | 29.046 ng | | 99 |
| 52) 3-Nitroaniline | 9.79 | 138 | 43837 | 16.666 ng | | 96 |
| 53) 2,4-Dinitrophenol | 9.92 | 184 | 10942 | 20.992 ng | # | 23 |
| 54) Dibenzofuran | 10.04 | 168 | 424134 | 31.116 ng | | 99 |
| 55) 4-Nitrophenol | 9.97 | 139 | 100171 | 48.480 ng | | 96 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 99922 | 33.904 ng | | 98 |
| 57) Fluorene | 10.38 | 166 | 334845 | 33.750 ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 76546 | 29.965 ng | | 94 |
| 59) Diethylphthalate | 10.25 | 149 | 378408 | 31.291 ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204 | 161554 | 36.563 ng | | 99 |
| 61) 4-Nitroaniline | 10.41 | 138 | 72880 | 28.337 ng | | 97 |
| 62) Azobenzene | 10.53 | 77 | 320422 | 27.734 ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 10678 | 14.617 ng | | 91 |
| 65) n-Nitrosodiphenylamine | 10.49 | 169 | 298944 | 33.757 ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.86 | 248 | 93634 | 34.465 ng | | 90 |
| 67) Hexachlorobenzene | 10.93 | 284 | 98049 | 32.074 ng | # | 90 |
| 68) Atrazine | 11.02 | 200 | 94292 | 35.274 ng | | 99 |
| 69) Pentachlorophenol | 11.13 | 266 | 74636 | 39.465 ng | | 98 |
| 70) Phenanthrene | 11.35 | 178 | 439436 | 30.894 ng | | 97 |
| 71) Anthracene | 11.40 | 178 | 463184 | 32.035 ng | | 98 |
| 72) Carbazole | 11.56 | 167 | 415131 | 29.382 ng | | 99 |
| 73) Di-n-butylphthalate | 11.88 | 149 | 554243 | 32.113 ng | | 99 |
| 74) Fluoranthene | 12.55 | 202 | 428067 | 28.805 ng | | 97 |
| 76) Benzidine | 12.67 | 184 | 242253 | 38.446 ng | | 97 |
| 77) Pyrene | 12.77 | 202 | 423128 | 31.051 ng | | 99 |
| 79) Butylbenzylphthalate | 13.41 | 149 | 207437 | 32.311 ng | | 97 |
| 80) Benzo(a)anthracene | 14.04 | 228 | 371885 | 33.860 ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.00 | 252 | 125244 | 30.584 ng | | 96 |
| 82) Chrysene | 14.08 | 228 | 352547 | 31.251 ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 292330 | 35.401 ng | | 100 |
| 84) Di-n-octyl phthalate | 14.72 | 149 | 486646 | 35.270 ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 17.13 | 276 | 262562 | 27.398 ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.20 | 252 | 294705 | 31.495 ng | | 100 |
| 88) Benzo(k)fluoranthene | 15.23 | 252 | 308404 | 34.910 ng | | 98 |
| 89) Benzo(a)pyrene | 15.58 | 252 | 276228 | 32.992 ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.14 | 278 | 223006 | 32.431 ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.58 | 276 | 208375 | 31.278 ng | | 95 |

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

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