Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF105017.D
Acq On : 2 May 2018 7:47
Operator : JU/SJ
Sample : PB108770BSD
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB108770BSD

Quant Time: May 02 09:01:01 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 16:13:08 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 118872 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 507911 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 235882 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 385160 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.02 | 240 | 248143 | 20.00 | ng | | 0.05 |
| 86) Perylene-d12 | 15.57 | 264 | 223111 | 20.00 | ng | | 0.14 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 593387 | 76.33 | ng | | 0.00 |
| 7) Phenol-d6 | 6.43 | 99 | 722020 | 75.59 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 626067 | 80.49 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 178807 | 73.08 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 1186330 | 79.45 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 935839 | 85.98 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.57 | 88 | 101367 | 27.983 | ng | # | 88 |
| 3) Pyridine | 3.30 | 79 | 285671 | 28.049 | ng | # | 83 |
| 4) n-Nitrosodimethylamine | 3.27 | 42 | 110563 | 31.055 | ng | # | 77 |
| 6) Aniline | 6.45 | 93 | 139043 | 10.477 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.58 | 128 | 307458 | 37.470 | ng | | 91 |
| 9) Benzaldehyde | 6.34 | 77 | 93374 | 15.506 | ng | | 95 |
| 10) Phenol | 6.45 | 94 | 358742 | 35.396 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 277439 | 34.303 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 316092 | 34.004 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 321985 | 34.748 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 298697 | 34.784 | ng | | 99 |
| 15) Benzyl Alcohol | 6.94 | 79 | 233226 | 32.147 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 308782 | 28.429 | ng | | 53 |
| 17) 2-Methylphenol | 7.05 | 107 | 248301 | 34.812 | ng | # | 93 |
| 18) Hexachloroethane | 7.30 | 117 | 109102 | 33.023 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70 | 193072 | 30.932 | ng | | 91 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 310994 | 35.156 | ng | # | 83 |
| 22) Acetophenone | 7.20 | 105 | 400572 | 32.034 | ng | | 99 |
| 24) Nitrobenzene | 7.38 | 77 | 299245 | 34.845 | ng | | 94 |
| 25) Isophorone | 7.62 | 82 | 548644 | 33.355 | ng | | 99 |
| 26) 2-Nitrophenol | 7.69 | 139 | 163970 | 46.901 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 264636 | 36.455 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 355616 | 35.361 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.94 | 162 | 256354 | 37.011 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 260693 | 34.295 | ng | | 99 |
| 31) Naphthalene | 8.10 | 128 | 862706 | 34.111 | ng | | 100 |
| 32) Benzoic acid | 7.87 | 122 | 113517 | 19.599 | ng | | 98 |
| 33) 4-Chloroaniline | 8.15 | 127 | 66232 | 6.113 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 142817 | 34.301 | ng | | 97 |
| 35) Caprolactam | 8.53 | 113 | 79408 | 32.864 | ng | # | 75 |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 268862 | 36.201 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 580796 | 35.502 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 252013 | 37.323 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.93 | 237 | 60588 | 16.028 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.07 | 196 | 168271 | 35.899 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.12 | 196 | 181042 | 34.515 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.25 | 154 | 687354 | 34.687 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.28 | 162 | 536959 | 34.306 | ng | | 100 |
| 47) 2-Nitroaniline | 9.39 | 65 | 152898 | 39.501 | ng | | 87 |
| 48) Acenaphthylene | 9.70 | 152 | 787340 | 32.061 | ng | | 100 |
| 49) Dimethylphthalate | 9.55 | 163 | 655098 | 35.218 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 140483 | 40.815 | ng | # | 86 |
| 51) Acenaphthene | 9.87 | 154 | 464500 | 31.001 | ng | | 100 |
| 52) 3-Nitroaniline | 9.79 | 138 | 53119 | 13.183 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 9.91 | 184 | 43320 | 40.841 | ng | # | 23 |
| 54) Dibenzofuran | 10.04 | 168 | 677362 | 32.440 | ng | | 97 |
| 55) 4-Nitrophenol | 9.97 | 139 | 166286 | 52.534 | ng | | 97 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 170780 | 37.827 | ng | | 94 |
| 57) Fluorene | 10.39 | 166 | 550133 | 36.196 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 129761 | 33.160 | ng | | 93 |
| 59) Diethylphthalate | 10.25 | 149 | 619320 | 33.431 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204 | 260278 | 38.453 | ng | | 95 |
| 61) 4-Nitroaniline | 10.42 | 138 | 122489 | 31.089 | ng | | 95 |
| 62) Azobenzene | 10.53 | 77 | 546385 | 30.871 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 39141 | 25.019 | ng | | 78 |
| 65) n-Nitrosodiphenylamine | 10.49 | 169 | 498547 | 37.332 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.86 | 248 | 158628 | 38.719 | ng | | 93 |
| 67) Hexachlorobenzene | 10.93 | 284 | 168462 | 36.544 | ng | # | 89 |
| 68) Atrazine | 11.03 | 200 | 161497 | 40.064 | ng | | 99 |
| 69) Pentachlorophenol | 11.13 | 266 | 120368 | 42.207 | ng | | 98 |
| 70) Phenanthrene | 11.35 | 178 | 728415 | 33.960 | ng | | 99 |
| 71) Anthracene | 11.40 | 178 | 757030 | 34.721 | ng | | 99 |
| 72) Carbazole | 11.56 | 167 | 676469 | 31.750 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.88 | 149 | 916942 | 35.231 | ng | | 99 |
| 74) Fluoranthene | 12.54 | 202 | 671415 | 29.960 | ng | | 97 |
| 76) Benzidine | 12.67 | 184 | 276722 | 30.657 | ng | | 99 |
| 77) Pyrene | 12.77 | 202 | 648544 | 35.260 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.40 | 149 | 330516 | 38.142 | ng | | 93 |
| 80) Benzo(a)anthracene | 14.01 | 228 | 554445 | 37.401 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.97 | 252 | 172495 | 31.208 | ng | | 98 |
| 82) Chrysene | 14.05 | 228 | 522828 | 34.336 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 460388 | 41.306 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.67 | 149 | 735575 | 39.497 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 17.06 | 276 | 426814 | 32.997 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.14 | 252 | 522880 | 37.107 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.17 | 252 | 479066 | 36.011 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.52 | 252 | 467056 | 37.044 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 17.07 | 278 | 366083 | 35.353 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.50 | 276 | 338887 | 33.779 | ng | | 96 |

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

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