Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098718.D
Acq On : 23 Sep 2017 1:31
Operator : SJ/JU
Sample : I5340-01MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LT-TS-001MS

Quant Time: Sep 23 04:51:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 22 10:38:37 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.93 | 152 | 169089 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.21 | 136 | 687491 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.97 | 164 | 281787 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.46 | 188 | 394489 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.09 | 240 | 335779 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.59 | 264 | 297167 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 1062883 | 95.45 | ng | | 0.01 |
| 7) Phenol-d6 | 6.56 | 99 | 1306811 | 96.92 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.49 | 82 | 780293 | 76.99 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.76 | 330 | 236213 | 91.66 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.29 | 172 | 1226662 | 69.27 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.03 | 244 | 870856 | 55.69 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.80 | 88 | 149317 | 28.389 | ng | | 98 |
| 3) Pyridine | 3.57 | 79 | 367192 | 26.269 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.52 | 42 | 201940 | 32.970 | ng | | 95 |
| 6) Aniline | 6.59 | 93 | 375092 | 20.999 | ng | | 99 |
| 8) 2-Chlorophenol | 6.72 | 128 | 400325 | 33.097 | ng | | 98 |
| 9) Benzaldehyde | 6.48 | 77 | 118493 | 15.667 | ng | | 99 |
| 10) Phenol | 6.57 | 94 | 513188 | 34.483 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.66 | 93 | 392511 | 34.235 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.87 | 146 | 399659 | 31.281 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.95 | 146 | 404153 | 31.254 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.10 | 146 | 383240 | 31.779 | ng | | 97 |
| 15) Benzyl Alcohol | 7.07 | 79 | 344287 | 35.385 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.20 | 45 | 591967 | 32.400 | ng | | 98 |
| 17) 2-Methylphenol | 7.17 | 107 | 328240 | 33.303 | ng | | 98 |
| 18) Hexachloroethane | 7.44 | 117 | 126223 | 28.354 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.34 | 70 | 276050 | 33.047 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.33 | 107 | 413728 | 32.557 | ng | | 90 |
| 22) Acetophenone | 7.34 | 105 | 546954 | 32.161 | ng | # | 96 |
| 24) Nitrobenzene | 7.51 | 77 | 414931 | 35.446 | ng | | 98 |
| 25) Isophorone | 7.75 | 82 | 749208 | 33.894 | ng | | 99 |
| 26) 2-Nitrophenol | 7.83 | 139 | 194426 | 38.750 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.86 | 122 | 333540 | 30.725 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.96 | 93 | 485574 | 35.303 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.06 | 162 | 318533 | 34.111 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.15 | 180 | 308749 | 32.781 | ng | | 99 |
| 31) Naphthalene | 8.23 | 128 | 1081583 | 33.147 | ng | | 99 |
| 32) Benzoic acid | 7.94 | 122 | 116313 | 21.569 | ng | | 99 |
| 33) 4-Chloroaniline | 8.28 | 127 | 304918 | 22.477 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.35 | 225 | 156609 | 30.864 | ng | | 99 |
| 35) Caprolactam | 8.64 | 113 | 100165 | 34.399 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.75 | 107 | 341121 | 32.003 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.93 | 142 | 713793 | 34.069 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.09 | 216 | 271091 | 32.529 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.07 | 237 | 75132 | 20.746 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.20 | 196 | 202506 | 36.056 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.24 | 196 | 206584 | 35.872 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.39 | 154 | 813502 | 33.603 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.42 | 162 | 621743 | 34.249 | ng | | 97 |
| 47) 2-Nitroaniline | 9.50 | 65 | 203677 | 39.959 | ng | | 95 |
| 48) Acenaphthylene | 9.83 | 152 | 920660 | 32.973 | ng | | 100 |
| 49) Dimethylphthalate | 9.69 | 163 | 936059 | 44.296 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.74 | 165 | 157911 | 37.869 | ng | | 95 |
| 51) Acenaphthene | 10.00 | 154 | 555651 | 32.061 | ng | | 99 |
| 52) 3-Nitroaniline | 9.92 | 138 | 157984 | 31.782 | ng | | 100 |
| 53) 2,4-Dinitrophenol | 10.02 | 184 | 26850 | 24.836 | ng | # | 80 |
| 54) Dibenzofuran | 10.17 | 168 | 802091 | 33.893 | ng | | 99 |
| 55) 4-Nitrophenol | 10.07 | 139 | 271886 | 62.855 | ng | | 91 |
| 56) 2,4-Dinitrotoluene | 10.15 | 165 | 195801 | 34.953 | ng | | 91 |
| 57) Fluorene | 10.52 | 166 | 593655 | 31.210 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.29 | 232 | 147858 | 36.087 | ng | | 99 |
| 59) Diethylphthalate | 10.39 | 149 | 699839 | 33.795 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.50 | 204 | 269002 | 32.282 | ng | | 98 |
| 61) 4-Nitroaniline | 10.53 | 138 | 157860 | 33.112 | ng | | 97 |
| 62) Azobenzene | 10.67 | 77 | 630630 | 32.561 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.55 | 198 | 23785 | 18.785 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.62 | 169 | 521442 | 38.401 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 11.00 | 248 | 153114 | 38.440 | ng | | 93 |
| 67) Hexachlorobenzene | 11.06 | 284 | 153641 | 33.850 | ng | | 95 |
| 68) Atrazine | 11.14 | 200 | 157131 | 38.469 | ng | | 99 |
| 69) Pentachlorophenol | 11.25 | 266 | 178795 | 68.920 | ng | | 98 |
| 70) Phenanthrene | 11.48 | 178 | 764087 | 35.705 | ng | | 98 |
| 71) Anthracene | 11.53 | 178 | 754163 | 34.562 | ng | | 100 |
| 72) Carbazole | 11.68 | 167 | 715612 | 33.563 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.01 | 149 | 891093 | 35.982 | ng | | 99 |
| 74) Fluoranthene | 12.67 | 202 | 743908 | 34.881 | ng | | 97 |
| 77) Pyrene | 12.90 | 202 | 774796 | 31.080 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.51 | 149 | 343891 | 33.345 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.09 | 228 | 695908 | 34.407 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.04 | 252 | 160224 | 22.199 | ng | | 96 |
| 82) Chrysene | 14.12 | 228 | 645962 | 33.072 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.06 | 149 | 496918 | 34.834 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.68 | 149 | 884208 | 41.271 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.10 | 276 | 474914 | 31.344 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.14 | 252 | 634923 | 36.841 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.17 | 252 | 546254 | 31.718 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.52 | 252 | 530675 | 33.906 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.11 | 278 | 399633 | 30.191 | ng | | 100 |
| 91) Benzo(g,h,i)perylene | 17.56 | 276 | 378175 | 28.421 | ng | | 98 |

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

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