Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021617\
Data File : BF093000.D
Acq On : 17 Feb 2017 00:05
Operator : SJ/MA
Sample : I1865-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TILCON-SCREENINGSMSD

Quant Time: Feb 17 02:50:31 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 16 23:55:37 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 135588 | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 8.14 | 136 | 567262 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 306126 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 492264 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.02 | 240 | 361305 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 292135 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 1048731 | 132.70 | ng | | 0.01 |
| 7) Phenol-d6 | 6.50 | 99 | 1509770 | 148.47 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 944803 | 92.75 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 318347 | 143.78 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 1404022 | 83.09 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.97 | 244 | 1321304 | 85.93 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.48 | 88 | 149759 | 35.07 | ng | # | 86 |
| 3) Pyridine | 3.21 | 79 | 429689 | 39.57 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.16 | 42 | 220496 | 43.25 | ng | | 90 |
| 6) Aniline | 6.52 | 93 | 421072 | 30.36 | ng | | 84 |
| 8) 2-Chlorophenol | 6.65 | 128 | 401825 | 46.09 | ng | | 98 |
| 9) Benzaldehyde | 6.41 | 77 | 80218 | 11.01 | ng | | 99 |
| 10) Phenol | 6.52 | 94 | 504974 | 42.44 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 408435 | 43.01 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 420565m | 41.18 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 428499 | 41.46 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 412322 | 41.72 | ng | | 95 |
| 15) Benzyl Alcohol | 7.01 | 79 | 344204 | 45.72 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 718408 | 43.55 | ng | | 94 |
| 17) 2-Methylphenol | 7.13 | 107 | 355237 | 47.49 | ng | | 96 |
| 18) Hexachloroethane | 7.37 | 117 | 145655 | 41.28 | ng | # | 84 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 280257 | 43.30 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.28 | 107 | 390403 | 43.65 | ng | # | 78 |
| 22) Acetophenone | 7.28 | 105 | 513123 | 39.62 | ng | # | 92 |
| 24) Nitrobenzene | 7.45 | 77 | 424004 | 40.54 | ng | | 97 |
| 25) Isophorone | 7.69 | 82 | 806128 | 42.47 | ng | | 97 |
| 26) 2-Nitrophenol | 7.77 | 139 | 234064 | 47.08 | ng | | 87 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 350370 | 40.12 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 517379 | 41.15 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 358368 | 44.00 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 347156 | 39.56 | ng | | 96 |
| 31) Naphthalene | 8.17 | 128 | 1129669 | 39.28 | ng | | 99 |
| 32) Benzoic acid | 7.89 | 122 | 31045 | 12.50 | ng | | 94 |
| 33) 4-Chloroaniline | 8.21 | 127 | 249928 | 22.16 | ng | # | 92 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 176836 | 36.62 | ng | | 100 |
| 35) Caprolactam | 8.59 | 113 | 111235m | 43.42 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 351901 | 41.45 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 737313 | 39.93 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 341421 | 39.73 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.01 | 237 | 266717 | 68.79 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.14 | 196 | 246278 | 43.62 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 9.18 | 196 | 253543 | 40.98 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 9.32 | 154 | 924189 | 41.69 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.34 | 162 | 688746 | 39.72 | ng | | 96 |
| 47) 2-Nitroaniline | 9.45 | 65 | 266834 | 45.77 | ng | | 88 |
| 48) Acenaphthylene | 9.76 | 152 | 1107084 | 36.96 | ng | | 99 |
| 49) Dimethylphthalate | 9.63 | 163 | 1397068 | 67.75 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.69 | 165 | 176099 | 39.55 | ng | # | 78 |
| 51) Acenaphthene | 9.93 | 154 | 713514 | 39.84 | ng | | 96 |
| 52) 3-Nitroaniline | 9.86 | 138 | 170060 | 33.37 | ng | | 83 |
| 53) 2,4-Dinitrophenol | 9.96 | 184 | 112800 | 51.58 | ng | # | 59 |
| 54) Dibenzofuran | 10.10 | 168 | 979475 | 40.89 | ng | | 98 |
| 55) 4-Nitrophenol | 10.03 | 139 | 321206 | 87.51 | ng | | 87 |
| 56) 2,4-Dinitrotoluene | 10.09 | 165 | 231132 | 38.99 | ng | | 91 |
| 57) Fluorene | 10.44 | 166 | 665756 | 36.12 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 196933 | 47.72 | ng | | 97 |
| 59) Diethylphthalate | 10.33 | 149 | 832828 | 42.86 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.44 | 204 | 348035 | 39.31 | ng | # | 74 |
| 61) 4-Nitroaniline | 10.48 | 138 | 222439 | 42.62 | ng | | 82 |
| 62) Azobenzene | 10.60 | 77 | 927736 | 46.21 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 127338 | 42.80 | ng | # | 64 |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 628151 | 39.94 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.92 | 248 | 199545 | 38.80 | ng | | 92 |
| 67) Hexachlorobenzene | 10.99 | 284 | 195711 | 38.51 | ng | # | 87 |
| 68) Atrazine | 11.08 | 200 | 188600 | 37.37 | ng | | 99 |
| 69) Pentachlorophenol | 11.18 | 266 | 212967 | 81.07 | ng | | 96 |
| 70) Phenanthrene | 11.40 | 178 | 1046316 | 37.10 | ng | | 98 |
| 71) Anthracene | 11.46 | 178 | 1218706 | 43.03 | ng | | 98 |
| 72) Carbazole | 11.61 | 167 | 1019659 | 37.66 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.94 | 149 | 1200835 | 41.01 | ng | # | 98 |
| 74) Fluoranthene | 12.59 | 202 | 1087727 | 37.39 | ng | | 97 |
| 76) Benzidine | 12.72 | 184 | 295512 | 19.19 | ng | | 96 |
| 77) Pyrene | 12.82 | 202 | 1097601 | 40.59 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.44 | 149 | 535846 | 48.80 | ng | | 89 |
| 80) Benzo(a)anthracene | 14.01 | 228 | 833515 | 37.72 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.96 | 252 | 244290 | 31.01 | ng | | 97 |
| 82) Chrysene | 14.04 | 228 | 821653 | 39.71 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 706092 | 47.02 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 1101549 | 45.05 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.85 | 276 | 744860 | 46.48 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 15.04 | 252 | 798273m | 41.52 | ng | | |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 614232m | 37.00 | ng | | |
| 89) Benzo(a)pyrene | 15.38 | 252 | 687166 | 41.31 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.87 | 278 | 619655 | 46.10 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.28 | 276 | 633505 | 46.65 | ng | # | 92 |

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

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