

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110216\
 Data File : BG024632.D
 Acq On : 2 Nov 2016 19:19
 Operator : UM/SJ
 Sample : PB94493BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB94493BS

Quant Time: Nov 03 03:19:46 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.27 | 152 | 132927 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 11.09 | 136 | 513147 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.88 | 164 | 381590 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.63 | 188 | 830837 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.92 | 240 | 1117113 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 25.35 | 264 | 1179905 | 20.00 | ng | -0.02 |

System Monitoring Compounds

| | | | | | | |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol | 5.80 | 112 | 1077949 | 132.91 | ng | 0.00 |
| 7) Phenol-d6 | 7.41 | 99 | 1536424 | 138.10 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.45 | 82 | 1065073 | 94.50 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.37 | 330 | 787922 | 138.21 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.51 | 172 | 2137644 | 93.11 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.21 | 244 | 3265792 | 87.36 | ng | 0.00 |

Target Compounds

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane | 3.67 | 88 | 125275 | 37.81 | ng | 94 |
| 3) Pyridine | 4.07 | 79 | 397417 | 40.06 | ng | 86 |
| 4) n-Nitrosodimethylamine | 3.99 | 42 | 212017 | 41.28 | ng | # 80 |
| 6) Aniline | 7.59 | 93 | 369976 | 26.25 | ng | 96 |
| 8) 2-Chlorophenol | 7.83 | 128 | 361019 | 43.78 | ng | 95 |
| 9) Benzaldehyde | 7.40 | 77 | 64529 | 9.39 | ng | 90 |
| 10) Phenol | 7.44 | 94 | 526877 | 45.94 | ng | 94 |
| 11) bis(2-Chloroethyl)ether | 7.68 | 93 | 377279 | 43.79 | ng | 90 |
| 12) 1,3-Dichlorobenzene | 8.15 | 146 | 423175 | 41.45 | ng | 95 |
| 13) 1,4-Dichlorobenzene | 8.30 | 146 | 428546 | 42.50 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.62 | 146 | 401336 | 41.40 | ng | 99 |
| 15) Benzyl Alcohol | 8.50 | 79 | 429489 | 41.50 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.80 | 45 | 629917 | 39.41 | ng | 96 |
| 17) 2-Methylphenol | 8.70 | 107 | 344920 | 45.39 | ng | 95 |
| 18) Hexachloroethane | 9.37 | 117 | 168391 | 43.44 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 9.07 | 70 | 349323 | 42.61 | ng | 93 |
| 20) 3+4-Methylphenols | 9.02 | 107 | 469388 | 46.01 | ng | 95 |
| 22) Acetophenone | 9.09 | 105 | 593101 | 45.00 | ng | # 92 |
| 24) Nitrobenzene | 9.49 | 77 | 533951 | 42.58 | ng | 95 |
| 25) Isophorone | 10.00 | 82 | 924912 | 44.12 | ng | 98 |
| 26) 2-Nitrophenol | 10.21 | 139 | 213896 | 45.96 | ng | 91 |
| 27) 2,4-Dimethylphenol | 10.24 | 122 | 370345 | 45.46 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.48 | 93 | 534538 | 49.28 | ng | 96 |
| 29) 2,4-Dichlorophenol | 10.73 | 162 | 404770 | 47.33 | ng | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.95 | 180 | 454442 | 44.80 | ng | 94 |
| 31) Naphthalene | 11.15 | 128 | 1084711 | 42.38 | ng | 99 |
| 32) Benzoic acid | 10.36 | 122 | 175472 | 25.86 | ng | # 84 |
| 33) 4-Chloroaniline | 11.25 | 127 | 195858 | 17.62 | ng | 94 |
| 34) Hexachlorobutadiene | 11.42 | 225 | 351258 | 44.24 | ng | 93 |
| 35) Caprolactam | 12.01 | 113 | 135089m | 43.15 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.34 | 107 | 448675 | 43.46 | ng | 96 |
| 37) 2-Methylnaphthalene | 12.73 | 142 | 817484 | 43.77 | ng | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.09 | 216 | 577112 | 44.84 | ng | 95 |
| 40) Hexachlorocyclopentadiene | 13.06 | 237 | 745973 | 102.92 | ng | 96 |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol | 13.32 | 196 | 364905 | 47.17 | ng | 96 |
| 43) 2,4,5-Trichlorophenol | 13.40 | 196 | 374434 | 44.77 | ng | 95 |
| 45) 1,1'-Biphenyl | 13.72 | 154 | 1128422 | 42.61 | ng | 96 |
| 46) 2-Chloronaphthalene | 13.77 | 162 | 909223 | 45.09 | ng | 97 |
| 47) 2-Nitroaniline | 13.97 | 65 | 359745 | 43.57 | ng | 94 |
| 48) Acenaphthylene | 14.61 | 152 | 1333780 | 43.13 | ng | 98 |
| 49) Dimethylphthalate | 14.33 | 163 | 1177988 | 43.48 | ng | 98 |
| 50) 2,6-Dinitrotoluene | 14.46 | 165 | 267578 | 46.27 | ng | # 83 |
| 51) Acenaphthene | 14.95 | 154 | 879699 | 38.16 | ng | 98 |
| 52) 3-Nitroaniline | 14.79 | 138 | 154273 | 25.78 | ng | 83 |
| 53) 2,4-Dinitrophenol | 14.99 | 184 | 290486 | 69.31 | ng | 98 |
| 54) Dibenzofuran | 15.28 | 168 | 1390575 | 43.63 | ng | 98 |
| 55) 4-Nitrophenol | 15.08 | 139 | 434220 | 83.28 | ng | # 83 |
| 56) 2,4-Dinitrotoluene | 15.24 | 165 | 383928 | 45.68 | ng | # 89 |
| 57) Fluorene | 15.93 | 166 | 1143019 | 43.25 | ng | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.50 | 232 | 395120 | 45.56 | ng | 91 |
| 59) Diethylphthalate | 15.68 | 149 | 1189826 | 41.89 | ng | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.91 | 204 | 660837 | 44.56 | ng | 97 |
| 61) 4-Nitroaniline | 15.95 | 138 | 258568 | 39.55 | ng | 97 |
| 62) Azobenzene | 16.20 | 77 | 1246764 | 44.01 | ng | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 16.00 | 198 | 240140 | 41.95 | ng | 96 |
| 65) n-Nitrosodiphenylamine | 16.13 | 169 | 1032801 | 45.47 | ng | 98 |
| 66) 4-Bromophenyl-phenylether | 16.80 | 248 | 469392 | 46.54 | ng | 96 |
| 67) Hexachlorobenzene | 16.92 | 284 | 517150 | 46.40 | ng | # 88 |
| 68) Atrazine | 17.06 | 200 | 462020 | 47.42 | ng | 98 |
| 69) Pentachlorophenol | 17.27 | 266 | 606358 | 82.45 | ng | 95 |
| 70) Phenanthrene | 17.67 | 178 | 1862581 | 43.98 | ng | 99 |
| 71) Anthracene | 17.76 | 178 | 1872654 | 43.83 | ng | 97 |
| 72) Carbazole | 18.03 | 167 | 1689683 | 43.36 | ng | 98 |
| 73) Di-n-butylphthalate | 18.55 | 149 | 1920794 | 42.75 | ng | 98 |
| 74) Fluoranthene | 19.66 | 202 | 2304410 | 43.05 | ng | 98 |
| 76) Benzidine | 19.84 | 184 | 739852 | 28.11 | ng | 99 |
| 77) Pyrene | 20.02 | 202 | 2345017 | 42.94 | ng | 98 |
| 79) Butylbenzylphthalate | 20.88 | 149 | 1017843 | 44.71 | ng | 98 |
| 80) Benzo(a)anthracene | 21.90 | 228 | 2650480 | 43.19 | ng | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.81 | 252 | 689740 | 27.86 | ng | 98 |
| 82) Chrysene | 21.97 | 228 | 2481939 | 42.46 | ng | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.76 | 149 | 1413137 | 43.39 | ng | 99 |
| 84) Di-n-octyl phthalate | 23.04 | 149 | 2368023 | 43.81 | ng | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 29.29 | 276 | 3464810 | 42.95 | ng | # 96 |
| 87) Benzo(b)fluoranthene | 24.25 | 252 | 2832412m | 44.41 | ng | |
| 88) Benzo(k)fluoranthene | 24.32 | 252 | 2691115 | 43.69 | ng | 99 |
| 89) Benzo(a)pyrene | 25.19 | 252 | 2713730 | 43.55 | ng | 99 |
| 90) Dibenzo(a,h)anthracene | 29.36 | 278 | 2904473 | 42.46 | ng | 97 |
| 91) Benzo(g,h,i)perylene | 30.55 | 276 | 2854156 | 41.77 | ng | 97 |

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

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