Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099212.D
Acq On : 8 Oct 2017 1:02
Operator : SJ/JU
Sample : PB103045BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB103045BS

**Manual Integrations APPROVED**
Sohil
10/9/2017 6:35:03 PM

Quant Time: Oct 08 05:21:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Oct 08 03:54:40 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 121817 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 476173 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 185267 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 285812 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.03 | 240 | 208055 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.51 | 264 | 165705 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 896013 | 117.09 | ng | | 0.02 |
| 7) Phenol-d6 | 6.50 | 99 | 1064657 | 112.78 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 618149 | 83.25 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 164222 | 108.33 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1072370 | 96.63 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.97 | 244 | 751140 | 82.11 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.71 | 88 | 120266 | 32.901 | ng | | 96 |
| 3) Pyridine | 3.49 | 79 | 348061 | 35.198 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.44 | 42 | 138046 | 32.921 | ng | | 81 |
| 6) Aniline | 6.53 | 93 | 391914 | 30.761 | ng | | 98 |
| 8) 2-Chlorophenol | 6.66 | 128 | 318045 | 36.701 | ng | | 95 |
| 9) Benzaldehyde | 6.42 | 77 | 130369 | 23.808 | ng | | 90 |
| 10) Phenol | 6.52 | 94 | 393909 | 37.311 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 306564 | 37.352 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 342738 | 37.765 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 347251 | 37.606 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 322703 | 37.822 | ng | | 98 |
| 15) Benzyl Alcohol | 7.01 | 79 | 241744 | 34.908 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 443823 | 34.708 | ng | | 96 |
| 17) 2-Methylphenol | 7.12 | 107 | 261853 | 36.929 | ng | | 97 |
| 18) Hexachloroethane | 7.37 | 117 | 95250 | 28.698 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 201754 | 33.475 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 307175 | 34.244 | ng | # | 76 |
| 22) Acetophenone | 7.28 | 105 | 413602 | 35.851 | ng | # | 97 |
| 24) Nitrobenzene | 7.45 | 77 | 308923 | 36.677 | ng | | 97 |
| 25) Isophorone | 7.69 | 82 | 571059 | 37.199 | ng | | 99 |
| 26) 2-Nitrophenol | 7.77 | 139 | 131895 | 32.564 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 275470 | 36.013 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 375599 | 39.261 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 249606 | 38.007 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 259928 | 39.573 | ng | | 98 |
| 31) Naphthalene | 8.17 | 128 | 847556 | 37.898 | ng | | 100 |
| 32) Benzoic acid | 7.92 | 122 | 112277 | 17.869 | ng | | 95 |
| 33) 4-Chloroaniline | 8.22 | 127 | 263137 | 28.175 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 130153 | 38.471 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 79469m | 37.723 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 247189 | 33.487 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 559939 | 38.514 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 220886 | 39.978 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.01 | 237 | 15831 | 6.270 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.14 | 196 | 148932 | 38.049 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.19 | 196 | 150043 | 38.400 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 629998 | 39.566 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.35 | 162 | 485657 | 40.624 | ng | | 97 |
| 47) 2-Nitroaniline | 9.45 | 65 | 146856 | 40.118 | ng | | 90 |
| 48) Acenaphthylene | 9.77 | 152 | 707643 | 38.667 | ng | | 100 |
| 49) Dimethylphthalate | 9.62 | 163 | 584236 | 41.782 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.69 | 165 | 108346 | 35.591 | ng | # | 80 |
| 51) Acenaphthene | 9.94 | 154 | 417319 | 35.998 | ng | | 98 |
| 52) 3-Nitroaniline | 9.86 | 138 | 150579 | 42.422 | ng | # | 89 |
| 53) 2,4-Dinitrophenol | 9.97 | 184 | 10902 | 12.205 | ng | | 95 |
| 54) Dibenzofuran | 10.11 | 168 | 619930 | 40.163 | ng | | 99 |
| 55) 4-Nitrophenol | 10.02 | 139 | 164395 | 54.773 | ng | | 90 |
| 56) 2,4-Dinitrotoluene | 10.09 | 165 | 125449 | 31.753 | ng | | 96 |
| 57) Fluorene | 10.45 | 166 | 465035 | 37.484 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 102343 | 37.916 | ng | | 98 |
| 59) Diethylphthalate | 10.32 | 149 | 543738 | 39.795 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 217289 | 38.990 | ng | | 93 |
| 61) 4-Nitroaniline | 10.47 | 138 | 143461 | 41.893 | ng | | 89 |
| 62) Azobenzene | 10.60 | 77 | 456525 | 36.339 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 11151 | 6.412 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 416332 | 42.048 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.93 | 248 | 118980 | 42.529 | ng | | 94 |
| 67) Hexachlorobenzene | 11.00 | 284 | 115427 | 38.630 | ng | | 94 |
| 68) Atrazine | 11.09 | 200 | 123218 | 41.362 | ng | | 99 |
| 69) Pentachlorophenol | 11.20 | 266 | 103883 | 55.863 | ng | | 99 |
| 70) Phenanthrene | 11.42 | 178 | 617691 | 40.375 | ng | | 98 |
| 71) Anthracene | 11.47 | 178 | 637531 | 40.728 | ng | | 99 |
| 72) Carbazole | 11.63 | 167 | 591042 | 38.557 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.95 | 149 | 755951 | 40.971 | ng | | 99 |
| 74) Fluoranthene | 12.60 | 202 | 615191 | 39.711 | ng | | 99 |
| 76) Benzidine | 12.73 | 184 | 519268 | 67.479 | ng | | 98 |
| 77) Pyrene | 12.84 | 202 | 628760 | 39.632 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.44 | 149 | 304530 | 40.843 | ng | | 92 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 506741 | 40.223 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.98 | 252 | 193117 | 41.815 | ng | | 98 |
| 82) Chrysene | 14.06 | 228 | 472581 | 39.401 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 419542 | 40.864 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.61 | 149 | 706634 | 42.744 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 17.00 | 276 | 354829 | 36.982 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.07 | 252 | 432839 | 42.484 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.10 | 252 | 384438 | 38.203 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.44 | 252 | 377168 | 40.330 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 17.01 | 278 | 299232 | 39.981 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.45 | 276 | 285391 | 38.576 | ng | | 96 |

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

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