Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104650.D
Acq On : 20 Apr 2018 1:09
Operator : JU/SJ
Sample : PB108340BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB108340BS

**Manual Integrations APPROVED**
Sohil
4/20/2018 3:05:39 PM

Quant Time: Apr 20 02:28:28 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 14:44:03 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 134889 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 540196 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 231594 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 371461 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.98 | 240 | 266918 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 230541 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 942325 | 106.82 | ng | | 0.02 |
| 7) Phenol-d6 | 6.45 | 99 | 1171974 | 108.13 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 745904 | 90.16 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 274549 | 114.28 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 1280952 | 87.38 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 1014132 | 86.62 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.59 | 88 | 131218 | 31.922 | ng | # | 89 |
| 3) Pyridine | 3.32 | 79 | 374792 | 32.430 | ng | | 86 |
| 4) n-Nitrosodimethylamine | 3.28 | 42 | 146235 | 36.198 | ng | # | 72 |
| 6) Aniline | 6.47 | 93 | 126207 | 8.381 | ng | # | 32 |
| 8) 2-Chlorophenol | 6.59 | 128 | 356922 | 38.333 | ng | | 98 |
| 9) Benzaldehyde | 6.36 | 77 | 202775 | 35.690 | ng | | 96 |
| 10) Phenol | 6.46 | 94 | 408780 | 35.544 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 335129 | 36.516 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.75 | 146 | 374506 | 35.504 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 381277 | 36.260 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 350090 | 35.928 | ng | | 100 |
| 15) Benzyl Alcohol | 6.95 | 79 | 289341 | 35.146 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45 | 425272 | 34.505 | ng | | 85 |
| 17) 2-Methylphenol | 7.07 | 107 | 300502 | 37.128 | ng | | 93 |
| 18) Hexachloroethane | 7.32 | 117 | 114757 | 30.610 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 230692 | 32.570 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 364711 | 36.333 | ng | # | 74 |
| 22) Acetophenone | 7.22 | 105 | 469679 | 35.316 | ng | | 99 |
| 24) Nitrobenzene | 7.39 | 77 | 362600 | 39.699 | ng | | 97 |
| 25) Isophorone | 7.63 | 82 | 661889 | 37.835 | ng | | 98 |
| 26) 2-Nitrophenol | 7.70 | 139 | 182089 | 48.970 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 311911 | 40.400 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 430054 | 40.207 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 294301 | 39.951 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 298593 | 36.934 | ng | | 99 |
| 31) Naphthalene | 8.11 | 128 | 992110 | 36.883 | ng | | 100 |
| 32) Benzoic acid | 7.87 | 122 | 211687 | 34.364 | ng | | 96 |
| 33) 4-Chloroaniline | 8.16 | 127 | 59430 | 5.157 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 162737 | 36.750 | ng | | 98 |
| 35) Caprolactam | 8.54 | 113 | 98837m | 38.460 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 307137 | 38.883 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 649371 | 37.321 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 277786 | 41.901 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.95 | 237 | 71053 | 19.144 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.09 | 196 | 190696 | 41.436 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 203262 | 39.469 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.27 | 154 | 762080 | 39.170 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 596417 | 38.811 | ng | | 99 |
| 47) 2-Nitroaniline | 9.39 | 65 | 181187 | 47.676 | ng | | 98 |
| 48) Acenaphthylene | 9.71 | 152 | 881159 | 36.546 | ng | | 99 |
| 49) Dimethylphthalate | 9.57 | 163 | 732065 | 40.085 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 153824 | 45.519 | ng | | 96 |
| 51) Acenaphthene | 9.88 | 154 | 511398 | 34.763 | ng | | 99 |
| 52) 3-Nitroaniline | 9.80 | 138 | 64358 | 16.267 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.91 | 184 | 48683 | 44.944 | ng | # | 24 |
| 54) Dibenzofuran | 10.05 | 168 | 772892 | 37.700 | ng | | 98 |
| 55) 4-Nitrophenol | 9.97 | 139 | 234744 | 75.535 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 10.04 | 165 | 188335 | 42.487 | ng | # | 99 |
| 57) Fluorene | 10.40 | 166 | 583015 | 39.070 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 150383 | 39.141 | ng | | 94 |
| 59) Diethylphthalate | 10.27 | 149 | 693648 | 38.136 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204 | 276766 | 41.646 | ng | | 99 |
| 61) 4-Nitroaniline | 10.42 | 138 | 133664 | 34.554 | ng | | 90 |
| 62) Azobenzene | 10.55 | 77 | 631912 | 36.364 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 38348 | 25.300 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 10.51 | 169 | 532092 | 41.313 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.87 | 248 | 169246 | 42.835 | ng | | 95 |
| 67) Hexachlorobenzene | 10.95 | 284 | 177055 | 39.824 | ng | # | 86 |
| 68) Atrazine | 11.03 | 200 | 172963 | 44.491 | ng | | 100 |
| 69) Pentachlorophenol | 11.14 | 266 | 163510 | 59.448 | ng | | 99 |
| 70) Phenanthrene | 11.36 | 178 | 785993 | 37.996 | ng | | 99 |
| 71) Anthracene | 11.41 | 178 | 800886 | 38.087 | ng | | 100 |
| 72) Carbazole | 11.57 | 167 | 738121 | 35.922 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.89 | 149 | 995422 | 39.657 | ng | | 99 |
| 74) Fluoranthene | 12.55 | 202 | 739799 | 34.229 | ng | | 97 |
| 76) Benzidine | 12.67 | 184 | 393431 | 45.017 | ng | | 98 |
| 77) Pyrene | 12.78 | 202 | 741415 | 37.474 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.39 | 149 | 366891 | 39.362 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 642932 | 40.319 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 216589 | 36.429 | ng | | 97 |
| 82) Chrysene | 14.01 | 228 | 612877 | 37.419 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 495428 | 41.323 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.57 | 149 | 810569 | 40.462 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.90 | 276 | 512641 | 36.844 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.02 | 252 | 575168 | 39.502 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.05 | 252 | 559451 | 40.698 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.39 | 252 | 523229 | 40.162 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.92 | 278 | 437126 | 40.853 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.34 | 276 | 416501 | 40.178 | ng | | 96 |

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

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