Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096874.D
Acq On : 19 Jul 2017 17:11
Operator : SJ/JU
Sample : I4272-01MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HDD-P1LWC2MS

**Manual Integrations APPROVED**
Sohil
7/20/2017 3:04:24 PM

Quant Time: Jul 19 19:02:34 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.59 | 152 | 93624 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.87 | 136 | 419476 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.62 | 164 | 201461 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.10 | 188 | 316764 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.72 | 240 | 191700 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.09 | 264 | 174483 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.20 | 112 | 884158 | 141.99 | ng | | 0.00 |
| 7) Phenol-d6 | 6.25 | 99 | 1074229 | 143.76 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.16 | 82 | 616949 | 91.10 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.41 | 330 | 221599 | 128.86 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.95 | 172 | 1090660 | 85.53 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.68 | 244 | 871510 | 78.84 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.23 | 88 | 115925 | 36.182 | ng | # | 75 |
| 3) Pyridine | 2.88 | 79 | 325053 | 48.274 | ng | # | 61 |
| 4) n-Nitrosodimethylamine | 2.83 | 42 | 202822 | 53.863 | ng | | 80 |
| 6) Aniline | 6.25 | 93 | 381587 | 41.458 | ng | # | 47 |
| 8) 2-Chlorophenol | 6.38 | 128 | 325222 | 48.415 | ng | | 99 |
| 9) Benzaldehyde | 6.13 | 77 | 126879 | 29.378 | ng | | 95 |
| 10) Phenol | 6.26 | 94 | 462253 | 54.724 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.33 | 93 | 322013 | 50.694 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.53 | 146 | 324550 | 45.452 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.60 | 146 | 329736 | 45.600 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 6.76 | 146 | 302444 | 45.984 | ng | | 98 |
| 15) Benzyl Alcohol | 6.74 | 79 | 249910 | 51.085 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.87 | 45 | 602000 | 45.922 | ng | | 97 |
| 17) 2-Methylphenol | 6.86 | 107 | 256889 | 49.178 | ng | | 96 |
| 18) Hexachloroethane | 7.10 | 117 | 120813 | 47.117 | ng | # | 81 |
| 19) n-Nitroso-di-n-propylamine | 7.02 | 70 | 209844 | 46.614 | ng | # | 85 |
| 20) 3+4-Methylphenols | 7.02 | 107 | 321139 | 50.663 | ng | # | 70 |
| 22) Acetophenone | 7.00 | 105 | 436665 | 46.575 | ng | # | 98 |
| 24) Nitrobenzene | 7.17 | 77 | 323016 | 46.118 | ng | | 93 |
| 25) Isophorone | 7.42 | 82 | 591914 | 46.984 | ng | # | 93 |
| 26) 2-Nitrophenol | 7.49 | 139 | 186235 | 47.820 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.55 | 122 | 303603 | 47.386 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.63 | 93 | 400405 | 47.034 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.74 | 162 | 273843 | 47.218 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.82 | 180 | 252942 | 45.871 | ng | | 98 |
| 31) Naphthalene | 7.89 | 128 | 923711 | 46.484 | ng | | 99 |
| 32) Benzoic acid | 7.65 | 122 | 56032 | 13.683 | ng | | 92 |
| 33) 4-Chloroaniline | 7.95 | 127 | 302094 | 38.371 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.02 | 225 | 130947 | 44.484 | ng | | 95 |
| 35) Caprolactam | 8.33 | 113 | 93833m | 50.495 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.45 | 107 | 296928 | 47.615 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.59 | 142 | 635263 | 50.144 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.76 | 216 | 222309 | 40.821 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.75 | 237 | 173764 | 84.534 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.87 | 196 | 172762 | 43.006 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 8.92 | 196 | 183637 | 45.327 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.05 | 154 | 737790 | 42.701 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.07 | 162 | 580257 | 45.608 | ng | # | 93 |
| 47) 2-Nitroaniline | 9.17 | 65 | 223582 | 51.124 | ng | | 96 |
| 48) Acenaphthylene | 9.49 | 152 | 906614 | 44.723 | ng | | 99 |
| 49) Dimethylphthalate | 9.36 | 163 | 831442 | 54.811 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.42 | 165 | 157018 | 47.788 | ng | # | 83 |
| 51) Acenaphthene | 9.66 | 154 | 523613 | 43.725 | ng | | 98 |
| 52) 3-Nitroaniline | 9.58 | 138 | 144984 | 37.248 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 9.69 | 184 | 69562 | 45.896 | ng | # | 76 |
| 54) Dibenzofuran | 9.83 | 168 | 745868 | 44.446 | ng | | 98 |
| 55) 4-Nitrophenol | 9.76 | 139 | 242556 | 85.297 | ng | # | 64 |
| 56) 2,4-Dinitrotoluene | 9.82 | 165 | 184394 | 43.673 | ng | # | 69 |
| 57) Fluorene | 10.17 | 166 | 539034 | 43.468 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.95 | 232 | 132936 | 47.312 | ng | | 97 |
| 59) Diethylphthalate | 10.06 | 149 | 619636 | 41.960 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.16 | 204 | 223534 | 43.009 | ng | | 96 |
| 61) 4-Nitroaniline | 10.19 | 138 | 172503 | 47.195 | ng | | 92 |
| 62) Azobenzene | 10.32 | 77 | 600227 | 46.074 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.23 | 198 | 83199 | 41.833 | ng | # | 76 |
| 65) n-Nitrosodiphenylamine | 10.29 | 169 | 519472 | 45.877 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.65 | 248 | 158671 | 49.063 | ng | | 95 |
| 67) Hexachlorobenzene | 10.72 | 284 | 168801 | 46.864 | ng | # | 87 |
| 68) Atrazine | 10.82 | 200 | 154679 | 47.948 | ng | | 94 |
| 69) Pentachlorophenol | 10.92 | 266 | 153608 | 88.276 | ng | | 95 |
| 70) Phenanthrene | 11.12 | 178 | 813812 | 47.250 | ng | | 99 |
| 71) Anthracene | 11.17 | 178 | 824775 | 47.362 | ng | | 99 |
| 72) Carbazole | 11.33 | 167 | 796892 | 47.255 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.67 | 149 | 959264 | 45.675 | ng | | 98 |
| 74) Fluoranthene | 12.30 | 202 | 807681 | 48.992 | ng | | 99 |
| 76) Benzidine | 12.43 | 184 | 395766 | 63.018 | ng | # | 93 |
| 77) Pyrene | 12.53 | 202 | 816947 | 46.957 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.16 | 149 | 389216 | 47.085 | ng | # | 80 |
| 80) Benzo(a)anthracene | 13.71 | 228 | 573743 | 48.035 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.68 | 252 | 143741 | 33.465 | ng | # | 95 |
| 82) Chrysene | 13.75 | 228 | 562099 | 47.803 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.72 | 149 | 481279 | 47.809 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.33 | 149 | 809559 | 48.650 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.38 | 276 | 503842 | 45.147 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.72 | 252 | 472374 | 44.888 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 14.74 | 252 | 464139m | 46.577 | ng | | |
| 89) Benzo(a)pyrene | 15.04 | 252 | 462185 | 47.886 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 16.39 | 278 | 409590 | 46.119 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.76 | 276 | 441142 | 46.386 | ng | | 97 |

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

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