Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099314.D
Acq On : 10 Oct 2017 21:51
Operator : SJ/JU
Sample : I5745-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
HR-06-100617-AMSD

**Manual Integrations APPROVED**
Sohil
10/11/2017 7:24:03 PM

Quant Time: Oct 11 01:41:12 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 05 17:20:48 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 89961 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 358288 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 148280 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 218788 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.03 | 240 | 171723 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.50 | 264 | 152319 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 726739 | 128.60 | ng | | 0.03 |
| 7) Phenol-d6 | 6.50 | 99 | 803581 | 115.27 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 547817 | 98.05 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 160217 | 132.05 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 1013643 | 114.12 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.97 | 244 | 684785 | 90.69 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.82 | 88 | 101189 | 37.484 | ng | # | 80 |
| 3) Pyridine | 3.56 | 79 | 192595 | 26.373 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.49 | 42 | 110854 | 35.797 | ng | # | 79 |
| 6) Aniline | 6.53 | 93 | 140339 | 14.916 | ng | | 98 |
| 8) 2-Chlorophenol | 6.66 | 128 | 278899 | 43.580 | ng | | 94 |
| 9) Benzaldehyde | 6.42 | 77 | 95327 | 23.573 | ng | | 91 |
| 10) Phenol | 6.52 | 94 | 296788 | 38.066 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 261255 | 43.103 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 298327 | 44.511 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 299117 | 43.864 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 279044 | 44.286 | ng | | 97 |
| 15) Benzyl Alcohol | 7.01 | 79 | 214264 | 41.896 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 365999 | 38.757 | ng | | 94 |
| 17) 2-Methylphenol | 7.12 | 107 | 226899 | 43.331 | ng | | 96 |
| 18) Hexachloroethane | 7.37 | 117 | 94847 | 38.696 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 177105 | 39.791 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 269250 | 40.645 | ng | # | 70 |
| 22) Acetophenone | 7.27 | 105 | 376738 | 43.400 | ng | | 96 |
| 24) Nitrobenzene | 7.45 | 77 | 274773 | 43.356 | ng | | 96 |
| 25) Isophorone | 7.69 | 82 | 498402 | 43.148 | ng | | 98 |
| 26) 2-Nitrophenol | 7.77 | 139 | 148984 | 48.885 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 239788 | 41.663 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 326494 | 45.357 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 229744 | 46.493 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 238134 | 48.183 | ng | | 99 |
| 31) Naphthalene | 8.17 | 128 | 797282 | 47.380 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 94066 | 19.897 | ng | | 95 |
| 33) 4-Chloroaniline | 8.22 | 127 | 51642 | 7.349 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 118249 | 46.452 | ng | | 98 |
| 35) Caprolactam | 8.60 | 113 | 59356m | 37.446 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 228059 | 41.061 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 534560 | 48.866 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 215965 | 48.837 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.01 | 237 | 30704 | 15.193 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.14 | 196 | 144998 | 46.284 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.19 | 196 | 151663 | 48.496 | ng | | 94 |
| 45) 1,1'-Biphenyl | 9.32 | 154 | 609078 | 47.794 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.35 | 162 | 474158 | 49.555 | ng | | 97 |
| 47) 2-Nitroaniline | 9.45 | 65 | 128133 | 43.734 | ng | | 87 |
| 48) Acenaphthylene | 9.77 | 152 | 685867 | 46.825 | ng | | 99 |
| 49) Dimethylphthalate | 9.62 | 163 | 548484 | 49.010 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.69 | 165 | 118565 | 48.663 | ng | # | 79 |
| 51) Acenaphthene | 9.94 | 154 | 401606 | 43.284 | ng | | 99 |
| 52) 3-Nitroaniline | 9.86 | 138 | 61055 | 21.492 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 9.97 | 184 | 22556 | 22.314 | ng | | 93 |
| 54) Dibenzofuran | 10.11 | 168 | 595453 | 48.200 | ng | | 99 |
| 55) 4-Nitrophenol | 10.03 | 139 | 147577 | 61.435 | ng | | 85 |
| 56) 2,4-Dinitrotoluene | 10.10 | 165 | 140385 | 44.397 | ng | # | 87 |
| 57) Fluorene | 10.45 | 166 | 451148 | 45.435 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 101734 | 47.092 | ng | | 95 |
| 59) Diethylphthalate | 10.32 | 149 | 501308 | 45.842 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.44 | 204 | 209349 | 46.935 | ng | | 97 |
| 61) 4-Nitroaniline | 10.47 | 138 | 109757 | 40.046 | ng | | 87 |
| 62) Azobenzene | 10.60 | 77 | 427114 | 42.478 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 19793 | 14.869 | ng | | 84 |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 405462 | 53.495 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.93 | 248 | 114632 | 53.527 | ng | | 99 |
| 67) Hexachlorobenzene | 11.00 | 284 | 111170 | 48.603 | ng | | 97 |
| 68) Atrazine | 11.09 | 200 | 117116 | 51.357 | ng | | 98 |
| 69) Pentachlorophenol | 11.20 | 266 | 103677 | 72.831 | ng | | 99 |
| 70) Phenanthrene | 11.42 | 178 | 575965 | 49.181 | ng | | 98 |
| 71) Anthracene | 11.47 | 178 | 587177 | 49.002 | ng | | 99 |
| 72) Carbazole | 11.62 | 167 | 538472 | 45.889 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.94 | 149 | 663075 | 46.946 | ng | | 99 |
| 74) Fluoranthene | 12.60 | 202 | 562626 | 47.444 | ng | | 98 |
| 76) Benzidine | 12.72 | 184 | 194831 | 30.675 | ng | | 98 |
| 77) Pyrene | 12.83 | 202 | 584816 | 44.661 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.44 | 149 | 257026 | 41.765 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 507061 | 48.764 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.98 | 252 | 151795 | 39.822 | ng | | 97 |
| 82) Chrysene | 14.06 | 228 | 477133 | 48.197 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 348853 | 41.168 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 630970 | 46.243 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 17.00 | 276 | 386583 | 48.817 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.07 | 252 | 454874 | 48.571 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 15.10 | 252 | 459958 | 49.725 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.44 | 252 | 426348 | 49.595 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 17.01 | 278 | 324626 | 47.185 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.45 | 276 | 312765 | 45.991 | ng | | 97 |

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

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