Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099799.D
Acq On : 24 Oct 2017 20:24
Operator : SJ/JU
Sample : I5956-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
EPE-M-6(50-52)MSD

**Manual Integrations APPROVED**
Sohil
10/25/2017 6:25:52 PM

Quant Time: Oct 25 08:32:47 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 23:39:26 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 89305 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 363079 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 152333 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 221461 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 156426 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.45 | 264 | 160435 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 610554 | 107.33 | ng | | 0.01 |
| 7) Phenol-d6 | 6.46 | 99 | 716900 | 106.29 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 412793 | 73.20 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 126240 | 90.94 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 769218 | 77.91 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.92 | 244 | 468832 | 65.50 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.58 | 88 | 79263 | 31.554 | ng | # | 90 |
| 3) Pyridine | 3.36 | 79 | 192099 | 31.801 | ng | # | 89 |
| 4) n-Nitrosodimethylamine | 3.30 | 42 | 80201 | 37.164 | ng | # | 75 |
| 6) Aniline | 6.47 | 93 | 255775 | 29.247 | ng | # | 91 |
| 8) 2-Chlorophenol | 6.60 | 128 | 236514 | 39.012 | ng | | 91 |
| 9) Benzaldehyde | 6.36 | 77 | 134452 | 33.359 | ng | | 91 |
| 10) Phenol | 6.47 | 94 | 289296 | 39.066 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 218489 | 38.207 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.75 | 146 | 250539 | 36.805 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.82 | 146 | 255906 | 37.041 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 231803 | 36.815 | ng | | 97 |
| 15) Benzyl Alcohol | 6.96 | 79 | 162928 | 37.984 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45 | 273272 | 43.018 | ng | | 72 |
| 17) 2-Methylphenol | 7.07 | 107 | 187273 | 36.929 | ng | | 97 |
| 18) Hexachloroethane | 7.31 | 117 | 79568 | 34.521 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 143928 | 36.414 | ng | | 90 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 233490 | 39.543 | ng | # | 68 |
| 22) Acetophenone | 7.22 | 105 | 299634 | 36.245 | ng | # | 98 |
| 24) Nitrobenzene | 7.40 | 77 | 220473 | 38.799 | ng | # | 88 |
| 25) Isophorone | 7.63 | 82 | 413485 | 40.405 | ng | | 97 |
| 26) 2-Nitrophenol | 7.71 | 139 | 117849 | 36.210 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 203698 | 42.478 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 274075 | 38.242 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 194825 | 39.109 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 199229 | 37.431 | ng | | 97 |
| 31) Naphthalene | 8.11 | 128 | 649384 | 37.052 | ng | | 100 |
| 33) 4-Chloroaniline | 8.17 | 127 | 182897 | 25.272 | ng | # | 94 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 97254 | 35.523 | ng | | 98 |
| 35) Caprolactam | 8.54 | 113 | 58764m | 37.511 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 188533 | 37.080 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 443369 | 37.750 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 179566 | 36.497 | ng | # | 98 |
| 40) Hexachlorocyclopentadiene | 8.95 | 237 | 7084 | 18.259 | ng | | 99 |
| 42) 2,4,6-Trichlorophenol | 9.09 | 196 | 120192 | 40.387 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 121714 | 38.540 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.26 | 154 | 506814 | 36.777 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 394130 | 39.381 | ng | | 96 |
| 47) 2-Nitroaniline | 9.40 | 65 | 104353 | 39.728 | ng | | 88 |
| 48) Acenaphthylene | 9.71 | 152 | 561730 | 36.442 | ng | | 99 |
| 49) Dimethylphthalate | 9.57 | 163 | 481975 | 39.953 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.64 | 165 | 96112 | 37.899 | ng | # | 85 |
| 51) Acenaphthene | 9.88 | 154 | 334148 | 35.478 | ng | | 99 |
| 52) 3-Nitroaniline | 9.82 | 138 | 94351 | 31.575 | ng | | 86 |
| 54) Dibenzofuran | 10.05 | 168 | 484165 | 36.417 | ng | | 98 |
| 55) 4-Nitrophenol | 9.99 | 139 | 99089 | 63.465 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 10.05 | 165 | 108568 | 35.548 | ng | # | 96 |
| 57) Fluorene | 10.40 | 166 | 383451 | 34.834 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 78192 | 35.313 | ng | | 93 |
| 59) Diethylphthalate | 10.26 | 149 | 432477 | 36.711 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.38 | 204 | 182608 | 35.248 | ng | | 96 |
| 61) 4-Nitroaniline | 10.43 | 138 | 90841 | 31.864 | ng | | 82 |
| 62) Azobenzene | 10.55 | 77 | 361799 | 36.637 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198 | 5115 | 3.674 | ng | | 82 |
| 65) n-Nitrosodiphenylamine | 10.50 | 169 | 344984 | 42.199 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.87 | 248 | 98846 | 42.397 | ng | # | 89 |
| 67) Hexachlorobenzene | 10.94 | 284 | 92308 | 38.700 | ng | | 94 |
| 68) Atrazine | 11.03 | 200 | 100031 | 40.734 | ng | | 98 |
| 69) Pentachlorophenol | 11.14 | 266 | 61267 | 60.113 | ng | | 99 |
| 70) Phenanthrene | 11.36 | 178 | 459484 | 36.764 | ng | | 98 |
| 71) Anthracene | 11.41 | 178 | 477389 | 37.630 | ng | | 98 |
| 72) Carbazole | 11.57 | 167 | 423559 | 35.504 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.89 | 149 | 593124 | 38.979 | ng | | 99 |
| 74) Fluoranthene | 12.55 | 202 | 413531 | 31.838 | ng | | 98 |
| 76) Benzidine | 12.68 | 184 | 323359 | 47.242 | ng | | 98 |
| 77) Pyrene | 12.78 | 202 | 416803 | 35.042 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.39 | 149 | 198740 | 33.931 | ng | | 91 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 364078 | 36.715 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 131898 | 36.643 | ng | | 99 |
| 82) Chrysene | 14.01 | 228 | 350878 | 37.637 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 281303 | 34.199 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.55 | 149 | 503632 | 35.674 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 16.93 | 276 | 305820 | 35.733 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.02 | 252 | 379410 | 37.451 | ng | | 96 |
| 88) Benzo(k)fluoranthene | 15.05 | 252 | 346744 | 36.297 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.39 | 252 | 346486 | 38.075 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.93 | 278 | 265934 | 32.888 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.37 | 276 | 241126 | 30.479 | ng | | 98 |

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

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