Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101744.D
Acq On : 27 Dec 2017 5:07
Operator : SJ/JU
Sample : I7043-01MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
EPE-106-3DS(90-92)MSD

**Manual Integrations APPROVED**
Sohil
12/27/2017 4:15:25 PM

Quant Time: Dec 27 07:20:42 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 26 10:48:01 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 135013 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 487927 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 185041 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 298800 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 287240 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 262873 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 766183 | 84.53 | ng | | 0.01 |
| 7) Phenol-d6 | 6.44 | 99 | 908020 | 80.50 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 583036 | 66.52 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 222011 | 124.51 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 1008260 | 84.52 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.90 | 244 | 1113395 | 93.45 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.57 | 88 | 105244 | 22.598 | ng | | 97 |
| 3) Pyridine | 3.35 | 79 | 237058 | 18.320 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.29 | 42 | 123384 | 20.709 | ng | | 97 |
| 6) Aniline | 6.47 | 93 | 83705 | 5.340 | ng | # | 53 |
| 8) 2-Chlorophenol | 6.58 | 128 | 218655 | 22.933 | ng | | 98 |
| 9) Benzaldehyde | 6.36 | 77 | 77324 | 9.282 | ng | | 98 |
| 10) Phenol | 6.45 | 94 | 306787 | 23.862 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 240036 | 23.801 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 252633 | 23.477 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 261623 | 23.808 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 234499 | 23.708 | ng | | 97 |
| 15) Benzyl Alcohol | 6.95 | 79 | 200985 | 25.886 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 409090 | 26.505 | ng | # | 44 |
| 17) 2-Methylphenol | 7.06 | 107 | 199609 | 22.759 | ng | # | 87 |
| 18) Hexachloroethane | 7.29 | 117 | 70284 | 18.396 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 205536 | 27.745 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 297408 | 32.000 | ng | | 99 |
| 22) Acetophenone | 7.20 | 105 | 388491 | 34.894 | ng | # | 97 |
| 24) Nitrobenzene | 7.38 | 77 | 267900 | 27.616 | ng | | 99 |
| 25) Isophorone | 7.62 | 82 | 550287 | 31.295 | ng | | 99 |
| 26) 2-Nitrophenol | 7.70 | 139 | 114463 | 27.464 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 236613 | 33.418 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 340594 | 30.493 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 213096 | 30.464 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 194679 | 26.372 | ng | | 97 |
| 31) Naphthalene | 8.09 | 128 | 688987 | 28.049 | ng | | 100 |
| 32) Benzoic acid | 7.86 | 122 | 37212m | 14.467 | ng | | |
| 33) 4-Chloroaniline | 8.17 | 127 | 57440 | 5.380 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 110739 | 25.937 | ng | | 99 |
| 35) Caprolactam | 8.53 | 113 | 90795 | 37.381 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 231731 | 30.140 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.79 | 142 | 470770 | 29.416 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 221712 | 35.488 | ng | # | 97 |
| 42) 2,4,6-Trichlorophenol | 9.07 | 196 | 137810 | 36.640 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 131530 | 31.939 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.25 | 154 | 577251 | 35.176 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.27 | 162 | 420998 | 33.528 | ng | | 97 |
| 47) 2-Nitroaniline | 9.39 | 65 | 163690 | 37.737 | ng | | 91 |
| 48) Acenaphthylene | 9.69 | 152 | 611200 | 30.818 | ng | | 100 |
| 49) Dimethylphthalate | 9.55 | 163 | 648960 | 43.601 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 107686 | 35.598 | ng | | 91 |
| 51) Acenaphthene | 9.86 | 154 | 376157 | 31.569 | ng | | 100 |
| 52) 3-Nitroaniline | 9.80 | 138 | 81387 | 21.579 | ng | | 99 |
| 54) Dibenzofuran | 10.03 | 168 | 556867 | 36.775 | ng | | 97 |
| 55) 4-Nitrophenol | 9.99 | 139 | 111764 | 67.960 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.05 | 165 | 141665 | 41.565 | ng | # | 96 |
| 57) Fluorene | 10.38 | 166 | 452789 | 35.347 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 115419 | 39.009 | ng | # | 86 |
| 59) Diethylphthalate | 10.24 | 149 | 570958 | 38.737 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204 | 221092 | 36.013 | ng | | 94 |
| 61) 4-Nitroaniline | 10.42 | 138 | 130296 | 34.370 | ng | | 94 |
| 62) Azobenzene | 10.53 | 77 | 484741 | 31.747 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 10.49 | 169 | 442875 | 40.141 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 10.86 | 248 | 137367 | 40.915 | ng | # | 83 |
| 67) Hexachlorobenzene | 10.93 | 284 | 142729 | 40.167 | ng | # | 87 |
| 68) Atrazine | 11.02 | 200 | 104677 | 31.819 | ng | | 95 |
| 69) Pentachlorophenol | 11.13 | 266 | 117620 | 84.700 | ng | | 100 |
| 70) Phenanthrene | 11.34 | 178 | 678817 | 40.851 | ng | | 99 |
| 71) Anthracene | 11.40 | 178 | 713207 | 42.019 | ng | | 98 |
| 72) Carbazole | 11.56 | 167 | 701632 | 44.151 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.87 | 149 | 873195 | 45.271 | ng | | 99 |
| 74) Fluoranthene | 12.54 | 202 | 795860 | 45.630 | ng | | 97 |
| 76) Benzidine | 12.66 | 184 | 232684 | 19.180 | ng | | 97 |
| 77) Pyrene | 12.77 | 202 | 838736 | 38.907 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.37 | 149 | 392863 | 40.276 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.96 | 228 | 816673 | 43.058 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.92 | 252 | 213902 | 34.587 | ng | | 98 |
| 82) Chrysene | 14.00 | 228 | 795023 | 44.394 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 527418 | 42.689 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.53 | 149 | 1023654 | 46.459 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.92 | 276 | 614229 | 38.516 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.02 | 252 | 749392 | 46.771 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 688978 | 44.226 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.38 | 252 | 669087 | 45.298 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 16.92 | 278 | 524329 | 41.345 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.37 | 276 | 514410 | 40.964 | ng | | 95 |

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

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