Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101651.D
Acq On : 22 Dec 2017 14:16
Operator : SJ/JU
Sample : PB105201BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB105201BS

**Manual Integrations APPROVED**
Sohil
12/26/2017 1:37:14 PM

Quant Time: Dec 22 16:13:28 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 16:07:58 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 140479 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 568253 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.83 | 164 | 257840 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 496219 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.97 | 240 | 367376 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.43 | 264 | 303371 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 991270 | 105.11 | ng | | 0.01 |
| 7) Phenol-d6 | 6.44 | 99 | 1150144 | 97.99 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 749560 | 73.43 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.63 | 330 | 280054 | 112.72 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 1270378 | 76.43 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.90 | 244 | 1256610 | 82.46 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.59 | 88 | 151151 | 31.192 | ng | | 95 |
| 3) Pyridine | 3.35 | 79 | 376479 | 27.962 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.30 | 42 | 197141 | 31.802 | ng | | 98 |
| 6) Aniline | 6.46 | 93 | 187820 | 11.515 | ng | # | 73 |
| 8) 2-Chlorophenol | 6.58 | 128 | 332904 | 33.557 | ng | | 99 |
| 9) Benzaldehyde | 6.35 | 77 | 183083 | 21.122 | ng | | 97 |
| 10) Phenol | 6.45 | 94 | 422575 | 31.589 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 350964 | 33.447 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 366407 | 32.725 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 371474 | 32.489 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 337892 | 32.831 | ng | | 98 |
| 15) Benzyl Alcohol | 6.94 | 79 | 254671 | 31.524 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 569181 | 35.442 | ng | # | 47 |
| 17) 2-Methylphenol | 7.05 | 107 | 275386 | 30.178 | ng | # | 90 |
| 18) Hexachloroethane | 7.29 | 117 | 134635 | 33.868 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 246430 | 31.971 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 368885 | 38.147 | ng | # | 79 |
| 22) Acetophenone | 7.20 | 105 | 475666 | 36.685 | ng | # | 92 |
| 24) Nitrobenzene | 7.37 | 77 | 378411 | 33.494 | ng | | 96 |
| 25) Isophorone | 7.61 | 82 | 690338 | 33.710 | ng | | 96 |
| 26) 2-Nitrophenol | 7.69 | 139 | 183879 | 37.883 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 305339 | 37.029 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 435456 | 33.475 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 286466 | 35.164 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.01 | 180 | 288862 | 33.600 | ng | | 98 |
| 31) Naphthalene | 8.09 | 128 | 947022 | 33.103 | ng | | 99 |
| 32) Benzoic acid | 7.89 | 122 | 216400 | 40.449 | ng | | 96 |
| 33) 4-Chloroaniline | 8.16 | 127 | 84510 | 6.797 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 163540 | 32.890 | ng | | 97 |
| 35) Caprolactam | 8.53 | 113 | 100470m | 35.517 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 302014 | 33.729 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.78 | 142 | 635382 | 34.090 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 300518 | 34.521 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.93 | 237 | 79023 | 53.887 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.07 | 196 | 188239 | 35.918 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.12 | 196 | 188321 | 32.818 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.25 | 154 | 783634 | 34.270 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.27 | 162 | 587171 | 33.559 | ng | | 98 |
| 47) 2-Nitroaniline | 9.39 | 65 | 208017 | 34.416 | ng | | 94 |
| 48) Acenaphthylene | 9.69 | 152 | 871834 | 31.548 | ng | | 99 |
| 49) Dimethylphthalate | 9.55 | 163 | 648998 | 31.293 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 145234 | 34.455 | ng | | 91 |
| 51) Acenaphthene | 9.86 | 154 | 526502 | 31.711 | ng | | 99 |
| 52) 3-Nitroaniline | 9.80 | 138 | 89368 | 17.005 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 9.93 | 184 | 112997 | 77.358 | ng | # | 20 |
| 54) Dibenzofuran | 10.03 | 168 | 748976 | 35.497 | ng | | 99 |
| 55) 4-Nitrophenol | 9.98 | 139 | 140218 | 61.189 | ng | # | 85 |
| 56) 2,4-Dinitrotoluene | 10.04 | 165 | 184981 | 38.950 | ng | # | 87 |
| 57) Fluorene | 10.38 | 166 | 621335 | 34.810 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 153392 | 37.206 | ng | | 89 |
| 59) Diethylphthalate | 10.25 | 149 | 676758 | 32.951 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204 | 299713 | 35.036 | ng | | 94 |
| 61) 4-Nitroaniline | 10.42 | 138 | 144146 | 27.288 | ng | | 98 |
| 62) Azobenzene | 10.53 | 77 | 700269 | 32.914 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 84530 | 33.381 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.49 | 169 | 572167 | 31.227 | ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 10.85 | 248 | 188422 | 33.794 | ng | | 93 |
| 67) Hexachlorobenzene | 10.93 | 284 | 195644 | 33.154 | ng | | 93 |
| 68) Atrazine | 11.02 | 200 | 186392 | 34.117 | ng | | 97 |
| 69) Pentachlorophenol | 11.13 | 266 | 149194 | 66.242 | ng | | 98 |
| 70) Phenanthrene | 11.34 | 178 | 899017 | 32.578 | ng | | 99 |
| 71) Anthracene | 11.40 | 178 | 923046 | 32.746 | ng | | 99 |
| 72) Carbazole | 11.56 | 167 | 817757 | 30.986 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.87 | 149 | 1057279 | 33.007 | ng | | 99 |
| 74) Fluoranthene | 12.53 | 202 | 945047 | 32.627 | ng | | 100 |
| 77) Pyrene | 12.76 | 202 | 985598 | 35.747 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.37 | 149 | 446214 | 35.767 | ng | | 96 |
| 80) Benzo(a)anthracene | 13.96 | 228 | 797525 | 32.876 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.92 | 252 | 174284 | 22.034 | ng | # | 98 |
| 82) Chrysene | 13.99 | 228 | 760140 | 33.188 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 571408 | 36.161 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.53 | 149 | 929152 | 32.971 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.90 | 276 | 621069 | 30.450 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 622724 | 33.677 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.03 | 252 | 613302 | 34.113 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.37 | 252 | 584281 | 34.276 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.90 | 278 | 522272 | 35.685 | ng | | 95 |
| 91) Benzo(g,h,i)perylene | 17.34 | 276 | 549141 | 37.892 | ng | | 95 |

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

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