Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071916\
Data File : BF089116.D
Acq On : 19 Jul 2016 14:13
Operator : UM/SJ
Sample : PB92230BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB92230BS

Quant Time: Jul 20 03:11:35 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 19 15:28:17 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.63 | 152 | 50837 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.91 | 136 | 196766 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.66 | 164 | 90162 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.13 | 188 | 155420 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.75 | 240 | 88679 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.11 | 264 | 89829 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.22 | 112 | 231149 | 68.14 | ng | | 0.01 |
| 7) Phenol-d6 | 6.28 | 99 | 319557 | 72.91 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.20 | 82 | 304190 | 81.01 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.44 | 330 | 50785 | 60.66 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.99 | 172 | 543472 | 95.21 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.71 | 244 | 327689 | 82.30 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.17 | 88 | 45720 | 27.19 | ng | # | 17 |
| 3) Pyridine | 2.79 | 79 | 137078 | 28.09 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.75 | 42 | 60054 | 32.21 | ng | | 99 |
| 6) Aniline | 6.28 | 93 | 74408 | 11.65 | ng | # | 27 |
| 8) 2-Chlorophenol | 6.41 | 128 | 134257 | 36.83 | ng | | 97 |
| 9) Benzaldehyde | 6.16 | 77 | 35098 | 11.82 | ng | | 86 |
| 10) Phenol | 6.30 | 94 | 184476 | 36.88 | ng | | 87 |
| 11) bis(2-Chloroethyl)ether | 6.36 | 93 | 130238 | 34.91 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 6.56 | 146 | 135845 | 33.86 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.64 | 146 | 142178 | 35.71 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.80 | 146 | 129747 | 34.81 | ng | | 99 |
| 15) Benzyl Alcohol | 6.78 | 79 | 114957 | 35.64 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.91 | 45 | 143446 | 26.55 | ng | # | 45 |
| 17) 2-Methylphenol | 6.90 | 107 | 103535 | 34.81 | ng | # | 91 |
| 18) Hexachloroethane | 7.13 | 117 | 48088 | 31.22 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 7.05 | 70 | 92393 | 31.38 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.06 | 107 | 141536 | 39.65 | ng | # | 78 |
| 22) Acetophenone | 7.04 | 105 | 195076 | 40.85 | ng | # | 93 |
| 24) Nitrobenzene | 7.21 | 77 | 132718 | 35.06 | ng | # | 81 |
| 25) Isophorone | 7.46 | 82 | 262351 | 37.72 | ng | | 97 |
| 26) 2-Nitrophenol | 7.53 | 139 | 66548 | 42.87 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.59 | 122 | 125325 | 38.76 | ng | | 89 |
| 28) bis(2-Chloroethoxy)methane | 7.68 | 93 | 168373 | 37.20 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 7.78 | 162 | 112306 | 42.98 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.86 | 180 | 117033 | 40.81 | ng | | 97 |
| 31) Naphthalene | 7.93 | 128 | 361736 | 37.29 | ng | | 99 |
| 32) Benzoic acid | 7.72 | 122 | 66359 | 28.27 | ng | | 93 |
| 33) 4-Chloroaniline | 7.99 | 127 | 44147 | 10.23 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.06 | 225 | 65032 | 42.35 | ng | | 98 |
| 35) Caprolactam | 8.35 | 113 | 31198 | 35.15 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 8.49 | 107 | 123447 | 39.95 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.63 | 142 | 257200 | 41.18 | ng | # | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.79 | 216 | 99700 | 33.25 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.78 | 237 | 22900 | 15.56 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.91 | 196 | 73066 | 36.95 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.96 | 196 | 71558 | 42.06 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.08 | 154 | 266966 | 35.76 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.11 | 162 | 210481 | 35.91 | ng | | 95 |
| 47) 2-Nitroaniline | 9.21 | 65 | 74709 | 35.92 | ng | | 97 |
| 48) Acenaphthylene | 9.52 | 152 | 332432 | 35.65 | ng | | 99 |
| 49) Dimethylphthalate | 9.39 | 163 | 245052 | 38.15 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.46 | 165 | 56975 | 40.02 | ng | # | 90 |
| 51) Acenaphthene | 9.69 | 154 | 201822 | 35.31 | ng | | 99 |
| 52) 3-Nitroaniline | 9.62 | 138 | 32689 | 18.06 | ng | | 84 |
| 53) 2,4-Dinitrophenol | 9.74 | 184 | 20873 | 33.21 | ng | # | 84 |
| 54) Dibenzofuran | 9.86 | 168 | 286715 | 38.32 | ng | # | 86 |
| 55) 4-Nitrophenol | 9.80 | 139 | 73828 | 53.68 | ng | | 92 |
| 56) 2,4-Dinitrotoluene | 9.86 | 165 | 80235 | 43.11 | ng | # | 61 |
| 57) Fluorene | 10.20 | 166 | 241189 | 41.83 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.99 | 232 | 50962 | 38.72 | ng | # | 47 |
| 59) Diethylphthalate | 10.09 | 149 | 253416 | 39.31 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.20 | 204 | 111613 | 41.66 | ng | | 89 |
| 61) 4-Nitroaniline | 10.23 | 138 | 47592 | 27.33 | ng | | 79 |
| 62) Azobenzene | 10.35 | 77 | 282987 | 38.49 | ng | | 89 |
| 64) 4,6-Dinitro-2-methylphenol | 10.26 | 198 | 16483 | 19.83 | ng | | 86 |
| 65) n-Nitrosodiphenylamine | 10.32 | 169 | 194082 | 36.90 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.68 | 248 | 59621 | 38.07 | ng | # | 78 |
| 67) Hexachlorobenzene | 10.75 | 284 | 64081 | 36.96 | ng | # | 83 |
| 68) Atrazine | 10.86 | 200 | 68498 | 41.79 | ng | | 94 |
| 69) Pentachlorophenol | 10.95 | 266 | 48227 | 47.00 | ng | | 98 |
| 70) Phenanthrene | 11.15 | 178 | 295470 | 34.78 | ng | | 99 |
| 71) Anthracene | 11.21 | 178 | 347720 | 41.16 | ng | | 98 |
| 72) Carbazole | 11.37 | 167 | 290639 | 36.55 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.71 | 149 | 385411 | 41.67 | ng | | 97 |
| 74) Fluoranthene | 12.33 | 202 | 269338 | 31.27 | ng | | 97 |
| 76) Benzidine | 12.47 | 184 | 129190 | 28.82 | ng | | 97 |
| 77) Pyrene | 12.56 | 202 | 272808 | 36.28 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.19 | 149 | 127621 | 38.05 | ng | # | 75 |
| 80) Benzo(a)anthracene | 13.75 | 228 | 220674 | 38.65 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.71 | 252 | 72113 | 33.59 | ng | # | 97 |
| 82) Chrysene | 13.78 | 228 | 214240 | 37.92 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.76 | 149 | 180617 | 47.17 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.37 | 149 | 307645 | 47.29 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.35 | 276 | 177162 | 40.76 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.74 | 252 | 226022m | 40.11 | ng | | |
| 88) Benzo(k)fluoranthene | 14.77 | 252 | 174299m | 35.53 | ng | | |
| 89) Benzo(a)pyrene | 15.05 | 252 | 186098 | 39.01 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.35 | 278 | 151742 | 38.09 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 16.72 | 276 | 135502 | 32.87 | ng | | 95 |

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

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